# DEPARTMENT OF THE NAVY FY 1999 BUDGET ESTIMATE SUBMISSION



# JUSTIFICATION OF ESTIMATES SEPTEMBER 1997

PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4

#### UNCLASSIFIED

Exhibit P-1

### Department of the Navy

## FY 1999 Procurement Program

APPROPRIATION: 1109N Procurement, Marine Corps							09/30/97
			TOA	A, \$ IN	MILLIONS		
LINE NO ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1999 UNIT COST		097 COST	FY 19	998 COST	
BUDGET ACTIVITY 04: Communications and Electron	ics Equipm	nent					
Repair And Test Equipment							
15 4402 Auto Test Equip Sys	В			12.2		12.1	19.7
16 4429 General Purpose Electronic Test Equip.	А			8.5		9.1	9.4 (
Intell/Comm Equipment (NON-TEL)							
17 4683 AN/TPQ-36 Fire Finder Radar Upgrade	А			34.0		.2	.2
18 4747 Intelligence Support Equipment	В			31.5		16.4	10.6
19 4749 Mod Kits (Intel)	А			6.1		5.8	4.6
20 4751 Items Less Than \$2M (Intell)	А			. 4		.6	- '
Repair And Test Equipment (NON-TEL)							
21 4837 General Prupose Mechanical TMDE	А			3.0		2.2	4.5
Other Comm/Elec Equipment (NON-TEL)							
22 4930 Night Vision Equipment	В			19.5		-	11.8
Other Support (NON-TEL)							
23 4631 Command Post Systems	А			10.1		13.9	7.3
24 4632 Maneuver C2 Systems	В			6.7		8.0	19.7
25 4633 Radio Systems	В			42.8		26.9	63.1

#### UNCLASSIFIED

#### Department of the Navy

#### FY 1999 Procurement Program

APPROPRIATION: 1109N Procurement, Marine Corps DATE: 09/30/97

Exhibit P-1

		(DOLLADG)	TOA, \$ I	N MILLIONS	
LINE NO ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1999 UNIT COST	FY 1997 QUANTITY COS	FY 1998	
26 4634 Comm Switching & Control Systems	В		14.	0 44.7	74.2 U
27 4635 Comm & Elec Infrastructure Support	A		56.	0 37.8	53.6 U
28 4636 Mod Kits MAGTF C41	В		54.	5 23.0	27.9 U
29 4637 Items < \$2M MAGTF C41	A			. 4	2.5 U
30 4638 Modification Kits (Other)	A		11.	0 1.7	- U
31 4639 Items < \$2M (Other)	А		2.	5 3.3	3.5 U
32 4640 Air Operations C2 Systems	А		10.	9 9.4	11.7 U
TOTAL Communications and Electronics Equipment	<u>.</u>		324.	2 215.6	324.2

	Exhibit	P-40, Budget I	tem Justific	cation Sheet			Date:		September 1997		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomenclat	ure:					
Procurement, M	arine Corps (1109) / Communications an	d Electronic Equipment (4	1) / 019				AUT	O TEST EQUIP (P4	4419)		
Program Elements for Code B	Items:		Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			12	34	59	91				41	237
Gross Cost	3.9		12.2	12.1	19.7	29.9					78
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	3.9		12.2	12.1	19.7	29.9					78
Initial Spares				1.3	1.5	0.1					3
Total Proc Cost	3.9		12.2	13.4	21.2	30.0					81
Flyaway U/C											0.3
Wpn Sys Proc U/C			1.0	.4	.4	.3					.3

AUTOMATIC TEST EQUIPMENT: THIRD ECHELON TEST SET (TETS) PROVIDES MOBILE AUTOMATIC TEST CAPABILITIES TO THE FORWARD EDGE OF THE BATTLEFIELD TO TEST LINE REPLACEABLE UNITS (RU) AND CIRCUIT CARD ASSEMBLIES (CCA). TETS PROVIDES FOR THE RAPID RESTORATION OF WEAPON SYSTEMS AT OR NEAR THE FORWARD EDGE OF THE BATTLEFIELD. TETS CONSISTS OF HARDWARE AND SOFTWARE PORTABLE EQUIPMENT:

DT/OT - Not required ACAT IVM PE - RDT&E PE Number 26624M

MS I/II - May 95

MS III - May 98

Technical Data packages - Feb 99

Bid-Sample Testing was from Mid May to 3 July 97, resulting in the selection of a production contractor.

Field User's Testing is scheduled for Feb 98

Exhibit P-5, Weapon		Appropriation/ Bud				P-1 Line Item	Nomenclature:	OLUD (D44446)		Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procurement, I E	Marine Co Electronic E	rps (1109) / Comr Equipment (4) / 0	nunications and 19		AUTO TEST E	QUIP (P44419)				·	ember 1997
Weapon System	ID					<u>FY 97</u>			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/USM-657 THIRD ECHELON TEST SET TETS (BASIC) TETS (RF)	В				2074 1504	8 4	259273 376212	2337 8058	9 25		3377 14745	14 45	241204 327674
SPECIAL TEST EQUIPMENT OTHER SUPPORT FACTORY TRAINING TRAVEL ILS NON-RECURRING ENGINERING					1479 1521 100 10			100 1466 100 10 50			100 1292 100 10 50		
TOTAL					12153			12121			19674		
Active Total Reserve Total								9471 2650			15432 4242		

nibit P-5a, Budget Procuremen	LINGLUIV (								400-
	Weapon Sys			P-1 Line Item	Nomenclature	à.	S	eptember	1997
ectronic	rroupon eye			1 -1 Line item			P44419)		
Contractor and Location	Contract	Location of PCO	Award Date	Date of First		·	Specs	Date	RFP Iss
		2004.10.1.00	/ mara Bato						Date
	and Type			Delivery	Luon	ψοσσ	HOW.	714411	
	C/FP	MARCORSYSCOM	Aug-97	Jan-98		050	.,		Apr-9
CHANTILLY, VA					8				
					7	370	'		
TBD	C/FP	MARCORSYSCOM	May-98	Sep-98	0	000	.,		
					20	322	'		
TBD	C/FP	MARCORSYSCOM	Nov-98	Mar-99	4.4	044	V		
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TBD	C/FP	MARCORSYSCOM	Nov-99	Mar-00	91	317	Y		
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	Contractor and Location  MANTECH SYS ENG, CORP CHANTILLY, VA  TBD  TBD  TBD	Contractor and Location  Contract Method and Type  MANTECH SYS ENG, CORP CHANTILLY, VA  TBD  C/FP  TBD  C/FP	Contract Method and Type  MANTECH SYS ENG, CORP CHANTILLY, VA  TBD  C/FP MARCORSYSCOM  C/FP MARCORSYSCOM  C/FP MARCORSYSCOM	Contract Method and Type  MANTECH SYS ENG, CORP C/FP MARCORSYSCOM Aug-97 CHANTILLY, VA  TBD C/FP MARCORSYSCOM May-98  TBD C/FP MARCORSYSCOM Nov-98	Contract Method and Type  MANTECH SYS ENG, CORP C/FP MARCORSYSCOM Aug-97 Jan-98  TBD C/FP MARCORSYSCOM May-98 Sep-98  TBD C/FP MARCORSYSCOM Nov-98 Mar-99	Contractor and Location  Contract Method and Type  MANTECH SYS ENG, CORP CHANTILLY, VA  TBD  C/FP MARCORSYSCOM  C/FP MARCORSYSCOM  May-98 Sep-98  9 25  TBD  C/FP MARCORSYSCOM  Nov-98 Mar-99  14  45	Contract   Contract   Method   Award Date   Date of First   Delivery   Each   \$000	Contractor and Location  Contract Method and Type  MANTECH SYS ENG, CORP CHANTILLY, VA  TBD  C/FP MARCORSYSCOM  C/FP MARCORSYSCOM  C/FP MARCORSYSCOM  May-98 Sep-98  TBD  C/FP MARCORSYSCOM  May-98 Sep-98  TBD  C/FP MARCORSYSCOM  May-98 Mar-99  TBD  C/FP MARCORSYSCOM  Nov-98 Mar-99  14 241 Y 45 328 Y	Contract   Contract   Method and Type   Location of PCO   Award Date   Date of First   OTY   Unit Cost   Revsn   Avail   Now?   Now?

Exhibit P-20, Requ	uirements Study	Approriation/Budget	Activity/Serial No:				Date:		
•		Procureme	ent, Marine Corps (110	,	and Electronic Equipm	ent (4) / 019		September-97	
P-1 Line Item Nomenclature (Inclu	ude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	AUTO TEST EQUIP (P44419)			9	Months			5	Months
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			12	34	. 59	91			
Unit Cost			Various	Various	Various	317.0			
Total Cost			3578.0	10395.0	18122.0	28847.0			
Asset Dynamics									
Beginning Asset Position	on				17	81	196	196	196
Deliveries from:	FY 1997 Funding			12					
Deliveries from:	FY 1998 Funding			5	29				
Deliveries from:	FY 1999 Funding				35	24			
Deliveries from Subseq	quent Years Funds					91			
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/	/Attritions								
End of Year Asset Posi	ition			17	81	196	196	196	196
Inventory Objective or Curi	rent Authorized Allowance								
Inventory Objective	Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
237	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacement	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	

Remarks:

Bli No. 440200 Item No. 15 Page 4 of 7 Exhibit P-20, Requirements Study

FY 98 / 99 BUDGET PI	RODUC	TION S	CHED	ULE			P-1 II	em No	menc	ciature:		AU	ТО ТЕ	EST E	QUIP	(P444	19)						Date	:		Se	ptemb	er 199	)7		
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	Exhibit	P-40, Budget	ltem Justific	cation Shee	t		Date:		September 1997		
Appropriation / Budget Activity/S	erial No:				P-1 Item Nomencla	ture:					
Procurement, Mari	ne Corps (1109) / Communications ar	nd Electronic Equipment (	(4) / 020					General Purp	ose Electronic Test	Equip(P44588)	
Program Elements for Code B It	ems:		Code:	Other Related Pro	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost	21.5		8.5	9.1	9.4	13.4	7.3	9.4	7.3	Cont.	Cont.
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	21.5		8.5	9.1	9.4	13.4	7.3	9.4	7.3	Cont.	Cont.
Initial Spares			1.3	0.1							
Total Proc Cost	21.5		9.8	9.2	9.4	13.4	7.3	9.4	7.3	Cont.	Cont.
Flyaway U/C											
Wpn Sys Proc U/C											

Funds allocated under this line are used to procure General Purpose Electronic Test Equipment (GPETE) items. Funds sustain modernization and standardization efforts, in addition to meeting new requirements. These GPETE items are required to support USMC weapon systems that utilize or consist of electronic components. USMC operating forces (Division and Wing) use GPETE items to test and measure the performance of their weapon systems to ensure they are operating properly and safely. USMC supporting maintenance forces (FSSG) use GPETE items to test, troubleshoot, repair, and align broken weapon systems due to normal operational failures or due to combat damage. This GPETE is essential to the operational readiness of the Marine Corps for the installation, operation, and maintenance (preventive and routine) of electronic weapon systems and equipment in both the USMC operating forces (Div/Wing/FSSG) as well as the supporting establishment (Schools/Bases). (RCN: 045887)

This is a roll-up line that consists of many different items and separate acquisitions.

All of these items are required to support other Marine Corps systems already fielded or in the acquisition pipeline.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ B Procuremer	nt, Marine Co	y/Serial No: orps (1109) / Comi Equipment (4) / 0			Nomenclature: URPOSE ELECTI	RONIC TEST EQU	JIP (P44588)	Weapon System	Type:	Date: Septe	ember 1997
Weapon System	ID			1-1 - ( )		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	+		1		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/USM-646 TEST STATION	Α				84	10	8380						
AN/USM-646 SEMI-CONDUCTOR TEST	Α				88	10	8810						
MAINTENANCE KIT MK-2663	Α				376	75	5008						
GROUND TESTER (CLAMP-ON)	Α							89	50	1775			
GROUND TESTER	Α							149	50	2977			
FUNCTION GENERATOR	Α				644	280	2300	588	250	2351	601	250	2403
POWER METER (PULSE)	Α				307	30	10220						
POWER METER (CW)	Α				288	120	2402	74	30	2455			
ADAPTER, OPTICAL	Α				62	20	3100						
PROTOCOL ANALYZER (LAN)	Α				594	30	19800	607	30	20236	827	40	20681
SIGNAL GENERATOR (RF)	Α							536	50	10716			
PROTOCOL ANALYZER (TEL)	Α				442	20	22100	452	20	22586	692	30	23083
HANDHELD BIT ERROR RATE TESTER (BERT)	А				300	100	3000	307	100	3066	313	100	3133
SIGNAL GENERATOR (MW)	Α				1800	100	18000						
TEST ADAPTER, RADIO	Α				2504	350	7154						
TEST SET, TELCOM	Α										320	25	12804
FREQUENCY COUNTER (CW)	Α				131	30	4350	133	30	4446	136	30	4544
ANALYZER, SPECTRUM (RF)	Α							200	25	8000	204	25	8176
OSCILLOSCOPE	А							2256	250	9025	2280	250	9119
SUBTOTAL					7619			5390			5374		

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ B Procuremer	nt, Marine Co	y/Serial No: orps (1109) / Comr Equipment (4) / 0:			n Nomenclature: PURPOSE ELECTI	RONIC TEST EQU	JIP (P44588)	Weapon System	Туре:	Date: Septe	ember 1997
Weapon System	ID			_ 1		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			ļ		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
ADAPTER, CONNECTOR	Α							135	50	2700	138	50	2759
BATTERY TESTER	Α							1238	250	4950	2505	500	5010
ANALYZER POWER (HANDHELD)	Α							116	50	2325	119	50	2374
TEST SET, RADIO	Α				145	10	14500	297	20	14833	455	30	15160
ANALYZER, TMDE SYSTEM (RF)	Α							728	17	42850			
AMPLIFIER (RF)	Α							497	17	29250			
MULTIMETER	Α										97	50	1945
SOFTWARE SUPPORT Operating Software TPS/Gold Disks					300			293			289		
LOGISTICS SUPPORT Training Material Factory Training Tech Manuals Provisioning Data Acceptance Testing					481			448			436		
TOTAL					8545			9142			9413		

								Date:		
Exhibi	t P-5a, Budget Procurement	History a	nd Planning					S	September	1997
Appropriation / Budget Activity/Serial No:		Weapon Syste	m Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 020	<u> </u>		_	_	GEI	NERAL PURP	OSE ELECTRONIC	TEST EC	QUIP(P44	588)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	Date
AN/USM-646 TEST STATION							*			
Y 97	VARIOUS	Proj Ord	Navy (NAVICP)	Jan-97	Apr-97	VAR	VAR	Yes	N/A	N/A
AN/USM-646 SEMI-CONDUCTOR TEST										
FY 97	Huntron, Seattle, WA	MILSTRIP	Navy (NAVICP)	Jan-97	Apr-97	10	8380	Yes	N/A	N/A
									N/A	N/A
MAINTENANCE KIT MK-2663			(1.01.10)					١.,		
FY 97	Pace, Inc., Laurel, MD	Proj Ord	Navy (NSWC)	Feb-97	May-97	VAR	VAR	Yes	N/A	N/A
GROUND TESTER (CLAMP-ON)										
FY 98	AEMC, Boston, MA	MILSTRIP	Navy (NAVICP)	Jan-98	May-98	VAR	VAR	Yes	N/A	N/A
GROUND TESTER		NAU OTOID	ALA (100)			\	\/A.D.	.,		N1/A
FY 98	PPM Inc, Cleveland, OH	MILSTRIP	Navy (NAVICP)	Jan-98	May-98	VAR	VAR	Yes	N/A	N/A
FUNCTION GENERATOR										
FY 97	Hewlett Packard, Santa Clara, CA	C/FP	Navy (NAVICP)	Jan-97	Apr-97	120	2402	Yes	N/A	N/A
FY 98	Hewlett Packard, Santa Clara, CA		Navy (NAVICP)	Jan-98	Apr-98	30	2455	Yes	N/A	N/A
FY 99	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-99	Apr-99	VAR	VAR	Yes	N/A	N/A
POWER METER (PULSE)										
FY 97	Giga-Tronics, San Ramon, CA	MILSTRIP	Navy (NAVICP)	Jan-97	May-97	20	3100	Yes	N/A	N/A
					,					
POWER METER (CW)										
FY 97	Hewlett Packard, Santa Clara, CA		Navy (NAVICP)	Jan-97		30	19800		N/A	N/A
FY 98	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-98	May-98	30	20236	Yes	N/A	N/A
REMARKS:										

Ful.il	sit D Eo. Budget Dreeurenet	Listen: -	nd Dianning					Date:		
	oit P-5a, Budget Procurement	Weapon Syste			<b>-</b>			S	September	1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electric Equipment (4) / 020	onic	vveapon Syste	em Type:		P-1 Line Item	Nomenclature GENERAL	e: . PURPOSE TEST I	EQUIP (P	44588)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
ADAPTER, OPTICAL										
FY 97	ISG, Vienna, VA	C/FP	USMC	Jul-97	Jul-97	VAR	VAR	Yes	N/A	N/A
PROTOCOL ANALYZER (LAN)										
FY 97	Fluke, Everett, WA	C/FP	Navy (NAVICP)		Sep-97	VAR	VAR	Yes	N/A	N/A
FY 98	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)		May-98	VAR	VAR	Yes	N/A	N/A
FY 99	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	VAR	VAR	Yes	N/A	N/A
SIGNAL GENERATOR (RF)										
FY 98	Hewlett Packard, Santa Clara, CA	C/FP	Navy (NAVICP)	Jan-98	Apr-98	50	2977	Yes	N/A	N/A
PROTOCOL ANALYZER (TEL)										
FY 97	W&G, Triange Park, NC	C/FP	Navy (NAVICP)	Aug-97	Dec-97	VAR	VAR	Yes	N/A	N/A
FY 98	W&G, Triange Park, NC		Navy (NAVICP)	Jan-98		VAR	VAR	Yes	N/A	N/A
FY 99	W&G, Triange Park, NC		Navy (NAVICP)	Jan-99	May-99	VAR	VAR	Yes	N/A	N/A
HANDHELD BIT ERROR RATE TESTER (BERT)										
FY 97	IDS, Lincoln, RI	C/FP	USMC	Jan-97	Jul-97	VAR	VAR	Yes	N/A	N/A
FY 98	IDS, Lincoln, RI	MILSTRIP		Jan-98		VAR	VAR	Yes	N/A	N/A
FY 99	IDS, Lincoln, RI	MILSTRIP		Jan-99		VAR	VAR	Yes	N/A	N/A
SIGNAL GENERATOR (MW)										
FY 97	Wiltron, Morgan Hill, CA	C/FP	USMC	Jan-97	Apr-97	VAR	VAR	Yes	N/A	N/A
TEST ADAPTER, RADIO										
FY 97	IFR Inc., Wichita, KS	C/FP	Army (CECOM)	Apr-97	Jul-97	30	4350	Yes	N/A	N/A

REMARKS:

								Date:		
E	xhibit P-5a, Budget Procurement	History a	nd Planning					S	eptember	1997
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communications and Equipment (4) / 020	Electronic					GENERAL	PURPOSE ELECT	RONIC T	EST EQUI	IP(P44588)
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issu
Fiscal Years		Method and Type			Delivery	Each	\$	Avail Now?	Revsn Avail	Date
TEST SET, TELCOM	1	3,1			,		·			Ī
FY 99	TTC, Germantown, MD	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	25	8176	Yes	N/A	N/A
FREQUENCY COUNTER (CW)										
FY 97	Hewlett Packard, Santa Clara, CA	C/FP	Navy (NAVICP)	Jan-97	May-97	VAR	VAR	Yes	N/A	N/A
FY 98	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-98	May-98	50	10716	Yes	N/A	N/A
FY 99	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	VAR	VAR	Yes	N/A	N/A
ANALYZER, SPECTRUM (RF)										
FY 98	TBD	C/FP	TBD	Jan-98	Jun-98	25	8000	Yes	N/A	N/A
FY 99	TBD	C/FP	TBD	Jan-99	Jun-99	25	8176	Yes	N/A	N/A
OSCILLOSCOPE										
FY 98	TBD	C/FP	TBD	Jan-98	Jun-98	250	9025	Yes	N/A	N/A
FY 99	TBD	C/FP	TBD	Jan-99	Apr-99	250	9119	Yes	N/A	N/A
ADAPTER, CONNECTOR										
FY 98	TBD	C/FP	TBD	Jan-98	Jul-98	50	2700	Yes	N/A	N/A
FY 99	TBD	C/FP	TBD	Jan-99	May-99	50	2759	Yes	N/A	N/A
BATTERY TESTER										
FY 98	TBD	C/FP	TBD	Jan-98	Jul-98	250	4950	Yes	N/A	N/A
FY 99	TBD	C/FP	TBD	Jan-99	May-99	500	5010	Yes	N/A	N/A
REMARKS:										

Bli No. 442900 Item No. 16 Page 6 of 10

								Date:		
E	xhibit P-5a, Budget Procureme	nt History a	nd Planning					S	September	1997
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communications and Equipment (4) / 020	Electronic				GE	NERAL PURP	OSE ELECTRONIC	TEST EC	QUIP(P44	588)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	Date
ANALYZER POWER (HANDHELD)					,					
FY 98	TBD	C/FP	Navy (NAVICP)	Jan-98	May-98	50	2325	Yes	N/A	N/A
FY 99	TBD	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	50	2374	Yes	N/A	N/A
TEST SET, RADIO										
FY 97	Marconi, Herts, England	C/FP	Navy (NAVICP)	Jan-97	Jun-97	10	14500	Yes	N/A	N/A
FY 98	Marconi, Herts, England	C/FP	Navy (NAVICP)	Jan-98	Jun-98	20	14833		N/A	N/A
FY 99	Marconi, Herts, England	C/FP	Navy (NAVICP)	Jan-99	Jun-99	30	15160		N/A	N/A
	Maroorii, Florio, Eligiana	3,11	havy (havenon)	041.00	ouii oo	00	10100	100	14,71	1 1,7 1
ANALYZER, TMDE SYSTEM (RF)										
FY 98	тво	C/FP	TBD	Jan-98	Jun-98	17	42850	Yes	N/A	N/A
AMPLIFIER (RF)										
FY 98	TBD	C/FP	TBD	Jan-98	Jul-98	VAR	VAR	Yes	N/A	N/A
MULTIMETER										
FY 99	TBD	C/FP	TBD	Jan-99	May-99	VAR	VAR	Yes	N/A	N/A
										<u> </u>
REMARKS:										

FY 1998 / FY 1999 BUDGE	T PROI	DUCTIO	N SCI	HEDUL	E		P-1 II	em No	omend	ature	: GE	ENER	AL PL	JRPOS	SE TE	ST EC	QUIP (F	P4458	8)				Date	:			Septe	mber 1	997		
				PROC	ACCEP.	BAL					Fis	cal	Year	· 96									Fis	scal	Yea	r 97					L
	М		s	QTY	PRIOR	DUE								Cale	enda	r Yea	ar 96							С	alen	dar	Year	97			Α
	F	FY	E	Each	TO	AS OF	0	N	D	J	F	M	Α	М	J	J	Α	S	0	N	D	J	F	М	Α		J	J	Α	S	T
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
Test Adapter, Radio	Α	96	М	400		400							Α						50	50	50	50	50	50	50	50					
Test Adapter, Radio	Α	97	М	350		350																			Α			50	50	50	200
<u> </u>																															
Oscilloscope	В	98	М	250		250																									250
Oscilloscope	В	99	М	250		250																									250
Oscilloscope	В	00	М	250		250																									250
Oscilloscope	В	01	М	168		168																									168
Battery Tester	С	98	М	250		250																									250
Battery Tester	С	99	М	500		500																									500
							0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	
							C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
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A IFR, Wichita, KS		1		100	500				INITIA																			are fle			
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B TBD		1		100	500				INITIA	AL RDER			-									_			run						
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FY 1998 / FY 1999 BUDGE	T PROI	DUCTIO	N SCI	HEDUL	E		P-1 II	em No	omend	ature	: Gl	ENER.	AL PI	JRPO	SE TE	STE	QUIP (I	P4458	38)				Date	i:			Septe	mber 1	1997		
				PROC	ACCEP.	BAL					Fis	cal `	Year	98									Fis	scal	Yea	r 99					L
	М		S	QTY	PRIOR	DUE								Cale	enda	r Ye	ar 98	,						С	alen	dar \	ear/	99			Α
	F	FY	E	Each	TO	AS OF	0	N	D	J	F	М	Α	M	J	J	Α	S	0	N	D	J	F	М	Α		J	J	Α	S	T
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
Test Adapter, Radio	Α	96	М	400	400																									T	
Test Adapter, Radio	Α	97	М	350		350	50	50	50	50																					
Oscilloscope	В	98	М	250		250				Α					50	50	50	50	50										i		
Oscilloscope	В	99	М	250		250																Α			50	50	50	50	50		
Oscilloscope	В	00	M	250		250																						Ш	Ш		250
Oscilloscope	В	01	M	168		168																						Ш			168
																												Ш	$\boldsymbol{\longmapsto}$		
Battery Tester	С	98	M	250		250				Α						50	50	50	50	50								Ш	ш		
Battery Tester	С	99	M	500		500																Α				50	50	50	50	50	250
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R NAME / LOCATION		MIN.	1	-8-5	MAX.	D +			INITIA																				comme		ff-the-
A IFR, Wichita, KS		1		100	500				REOF	RDER												_			pro	duction	n lines	are fle	exible.	They a	
A in try Wichita, NO				100	300					RDER																			ies requ variable		
B TBD		1		100	500				INITIA																run		Je ailu	willi V	anable	prout	ICTION
C TBD		1		100	500				REOF	RDER AL															1						
							L		REOF	RDER															1						
									INITIA																1						
									KEU	RDER																					

FY 1998 / FY 1999 BUDGE	T PROI	DUCTIO	N SCI	HEDUL	E		P-T 1	em No	omenc	ature	GE	ENER	AL PL	JRPOS	SE TE	ST EC	UIP (P	44588	8)				Date:				Septen	nber 19	997	
				PROC	ACCEP.	BAL					Fis	cal	Year	. 00									Fis	scal	Year	· 01				L
	М		S	QTY	PRIOR	DUE								Cale	ndaı	r Yea	ar 00							C	alen	dar Y	ear (	)1		Α
	F	FY	E	Each	TO	AS OF	0	Ν	D	J	F	M	Α	М	J	J	Α	S	0	N	D	J	F	М	Α		J	J		S T
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N			E E P R
A Test Adapter, Radio	Α	96	М	400	400																							$\Box$		
Test Adapter, Radio	Α	97	М	350	350																									
Oscilloscope	В	98	M	250	250																							ightharpoonup		
Oscilloscope	В	99	М	250	250																								_	
Oscilloscope	В	00	М	250		250				Α			50	50	50	50	50											_	_	
Oscilloscope	В	01	М	168		168																Α			50	50	50	18	+	
Battery Tester	С	98	М	250	250												-			-	-							$\dashv$	+	
Battery Tester	C	99	M	500	250	250	50	50	50	50	50						+											$\dashv$	+	
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ı		P	RODUCTI	ON RATES			T M	V FR	С	N	В	R	R	Y ADI	N MIN LE	L AD T	G IME	Р	T	V MFR	С	N T	B TOTAL	R	R RI	Y EMARI	N KS	L	G	Р
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NAME / LOCATION		MIN.	1	-8-5	MAX.	D +			INITIA REOF																			s are co Manu		cial off-the ers
IFR, Wichita, KS		1		100	500				INITIA	۸L																		are flex quantie		hey are
TBD		1		100	500				REOF									4			_				sho	rt notic				production
וטט		1		100	300					RDER															runs	3.				
TBD		1		100	500				INITIA																					
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		Evhibit D 40	Dudget l	tom luctifi	nation Shoot			Date:				
		Exhibit P-40	, buaget i	tem Justini	cation Sheet					September 1997		
Appropriation / Budget Activity/S	erial No: ne Corps (1109) / Comr		i- Fi	4) / 000		P-1 Item Nomencla	ture:	ANI/TRO OC FIRE	TINDED DADAD UD	OD A DEC (D44007)		
Procurement, Man		nunications and Elect	ronic Equipment (2	4) / 028 Code:	Other Related Proc	rom Elomonto:		AN/TPQ-36 FIRE	FINDER RADAR UP	GRADES (P44007)		
Frogram Elements for Code B to	ems.			Code.	Other Related Flog	ram Elements.						
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	i nei reale			22	1 1 1000		2000	2001	2002	2000	. o complete	22
Gross Cost				34.0	0.2	0.2					N/A	34.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)				34.0	0.2	0.2					N/A	34.4
Initial Spares						1.9						1.9
Total Proc Cost				34.0	0.2	2.1					N/A	36.3
Flyaway U/C												
Wpn Sys Proc U/C												
The AN/TPQ-36 fi support assets to in size from five to with a much more mobile and greatly	engage the en In trucks to HM capable electi	emy. The Al MWVs, impi ronics suite, i	N/TPQ-36 v roving battle improving r	was first field efield mobili ange, throu	ded to the Ma ity and strate ghput and co	arine Corps i gic transport mmunication	n 1985. The ability. A suns. The res	e first of thes absequent upults of both o	se block upg ograde, (V)8 of these mod	rades, (V)7, , will incorpolification pro	will result in orate a new sigrams will be	reduction helter

						C	Date				
	Exhibit P	-40C Budget It	tem Justific	ation Sheet					September 1997		
Appropriation / Budget Activity/	Serial No.				P-1 Item Nomenclature						
Procurement, M	arine Corps (1109) / Communications and I	Electronic Equipment (4)	/ 028				AN/TPQ-36 FIREFIN	IDER RADAR UPGF	RADES (P44007)		
Program Elements for Code B	Items		Code	Other Related Progra	am Elements						
Description		Fiscal Years									
OSIP NO.	Classification		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TC	Total
AN/TPQ-36(V)7											
MOD 1	DOWNSIZE	0.0	10.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	10.2
AN/TPQ-36(V)8											
MOD 2	ELEC UPGRADE	0.0	24.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	24.2
											ļ
Totals		0.0	34.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	34.4
											ļ

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Boundary  Procuremen	t, Marine Co	y/Serial No: rps (1109) / Comr Equipment (4) / 0			m Nomenclature: 6 FIREFINDER RA	ADAR UPGRADES	S (P44007)	Weapon System	Type:	Date: Septe	ember 1997
Weapon System	ID			,		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/TPQ-36 (V)7 (DOWNSIZE)	А				10036	22	456182						
AN/TPQ-36 (V)8 (ELEC ENHANCEMENT)	А				24004	22	1091091						
ILS								172			158		
TOTAL					34040			172			158		
Active: Reserve:					(26304) (7736)								

Fxh	ibit P-5a, Budget Procurement	History a	and Planning					Date:	ontomb =	1007
Appropriation / Budget Activity/Serial No:	ou, Buagot i roourcinent	Weapon Syst			P-1 Line Item	Nomenclatur	e:	٤	September	1997
Procurement, Marine Corps (1109) / Communications and Elec Equipment (4) / .028	etronic		,,				EFINDER RADAR I	UPGRADI	ES (P4400	07)
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Iss
Fiscal Years		and Type			Delivery	Each	\$	Avail Now?	Revsn Avail	Date
AN/TPQ-36 (V)7 (DOWNSIZE)		,,			·		•			
FY 97	MCLB BARSTOW	WR	MCLB BARSTOW	Dec-96	Oct-97	22	456182	Υ	NOW	
AN/TPQ-36 (V)8 (ELEC ENHANCEMENT)										
FY 97	NORTHROP-GRUMMAN CORP BETHPAGE, LONG ISLAND, NY	C-FFP	CECOM	Feb-97	Jun-98	22	1091091	Y	NOW	
REMARKS:										

INDIVIDUAL MODIFICATION Date September 1997 MODIFICATION TITLE: AN/TPQ-36(V)7 MODELS OF SYSTEMS AFFECTED: AN/TPQ-36 FIREFINDER RADAR DESCRIPTION / JUSTIFICATION: THIS UPGRADE PROVIDES FOR A DOWNSIZING OF THE CURRENT SYSTEM FROM FIVE TON TRUCKS TO HMMWVS TO IMPROVE BATTLEFIELD MOBILITY AND STRATEGIC TRANSPORTABILITY. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: USMC PROCURMENT DECISION 1ST QTR FY97 Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals 3 Inputs 8 Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs 22 Outputs 22 METHOD OF IMPLEMENTATION: DEPOT MOD LINE ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 10 Months Contract Dates: FY 1997 Dec 96 FY 1998 FY 1999 Delivery Date: FY 1997 Oct 97 FY 1998 FY 1999

Bli No. 468300 Item No. 17 Page 5 of 10 Exhibit P-3a Individual Modification

				IN	IDIVIDUA	L MOD	IFICATIO	N							Date		Septer	mber 1997	
MODIFICATION TITLE (Cont):	AN	/TPQ-	-36(V)7	MOD	1														
FINANCIAL PLAN: (\$ in Millions)	E)/ 4000																		
	FY 1996 and Prior	FY	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	FY	2003	1	ГС	TOTAL	
	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		\$
RDT&E PROCUREMENT	00.028	-	00.084	-														00	).112
Kit Quantity		22																22	
Inst Kits, Nonrecurring			10.036															10	0.036
Equipment, Nonrecurring																			
ECO																			
Other					0.086		0.079											o	).165
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits FY 2003 Eqpt kits (FY(TC) Eqpt (xx kits)																			
Installment Cost			40.000		0.000		0.070					1						10	2.004
Total Procurement Cost			10.036		0.086		0.079	<u> </u>						<u> </u>		<u> </u>		10	0.201

Bli No. 468300 Exhibit P-3a Individual Modification

INDIVIDUAL MODIFICATION Date September 1997 MODIFICATION TITLE: AN/TPQ-36(V)8 MODELS OF SYSTEMS AFFECTED: AN/TPQ-36 FIREFINDER RADAR DESCRIPTION / JUSTIFICATION: THIS UPGRADE PROVIDES A NEW CREW SHELTER WITH AN IMPROVED RADAR PROCESSOR AND SOFTWARE. THIS ENHANCES THE RADAR'S CAPABILITIES BY INCREASING ITS RANGE AND LOCATION ACCURACY. A SELF LOCATING CAPABILITY IS ALSO PROVIDED WITH THE ADDITION OF THE MODULAR AZIMUTH POSITIONING SYSTEM. THIS WILL GREATLY IMPROVE POSITION OCCUPATION TIME. CREW SURVIVABILITY IS ALSO BETTER DUE TO THIS SYSTEM'S ABILITY TO REMOTE. THESE IMPROVEMENTS OVERCOME DEFICIENCIES IDENTIFIED DURING OPERATION DESERT STORM. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: ARMY (JOINT LEAD) MS III 4TH QTR FY 96 USMC PROCUREMENT DECISION 2ND QTR FY 97 Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals 2 2 10 Inputs Outputs 10 FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs 22 Outputs 22 METHOD OF IMPLEMENTATION: CONTRACTOR ADMINISTRATIVE LEADTIME: 4 Months PRODUCTION LEADTIME: 16 Months Contract Dates: FY 1997 Feb 97 FY 1998 FY 1999

Bli No. 468300 Item No. 17 Page 7 of 10 Exhibit P-3a Individual Modification

Jun 98

FY 1999

FY 1998

Delivery Date:

FY 1997

				IN	NDIVIDUA	L MOD	IFICATIO	NC							Date		Septer	mber 1997
MODIFICATION TITLE (Cont):	AN	I/TPQ	-36(V)8	MOD	2													
FINANCIAL PLAN: (\$ in Millions)																		
	FY 1996																	
	and Prior		1997		1998		1999		2000		2001		2002		2003		TC	TOTAL
	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty \$
RDT&E	00.028		00.062															00.090
PROCUREMENT																		
Kit Quantity		22																22
Inst Kits, Nonrecurring			24.004															24.004
Equipment, Nonrecurring																		
ECO																		
Other					0.086		0.079											0.165
Installation of Hardware																		
FY 1996 & Prior Eqpt Kits																		
FY 1997 Eqpt Kits																		
FY 1998 Eqpt Kits																		
FY 1999 Eqpt Kits																		
FY 2000 Eqpt kits																		
FY 2001 Eqpt kits																		
FY 2002 Eqpt kits																		
FY 2003 Eqpt kits																		
(FY(TC) Eqpt (xx kits)																		
Installment Cost										Ì		İ		1				
Total Procurement Cost			24.004		0.086		0.079											24.169

Bli No. 468300 Exhibit P-3a Individual Modification

FY 98 / 99 BUDGET PROD	UC	TION SC	HED	ULE			P-1 II	em No	menc		I/TPQ	-36 FI	REFIN	IDER F	RADAI	R UPO	GRAD	ES (P	44007	7)		ı	Date:				Septe	mber ·	1997		
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AN/TPQ-36 (V)7 (DOWNSIZE)	ı																														
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AN/TPQ-36 (V)8 (ELEC ENHANCEMENT	7													+																	
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AN/TPQ-36 (V)7 (DOWNSIZE)  1 FY 97 MC 22 0 22 8 0 7 0 7 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0	A U N	L		U G	P P	E R
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1 FY 97 MC 22 0 22 8 7 7 7 7 AN/TPQ-36 (V)8 (ELEC ENHANCEMENT)						
AN/TPQ-36 (V)8 (ELEC ENHANCEMENT)						
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	REMARKS			<u> </u>	<u> </u>	
F REACHED Number Prior 1 Oct. After 1 Oct. After 1 Oct. After 1 Oct.						
R NAME/LOCATION MIN. 1-8-5 MAX. D+ 1 INITIAL 2 10 12						
1 MCLB BARSTOW REORDER						
2 NORTHROP-GRUMMAN CORP 2 INITIAL 4 16 20 REORDER						
INITIAL						
REORDER REORDER						
INITIAL INCOME IN THE PROPERTY OF THE PROPERTY						
REORDER INITIAL INITIAL						
REORDER REORDER						

	Exhibit P	-40, Budget Item	Justific	ation Sheet			Date:		September 1997							
Appropriation / Budget Activity/S		, ,			P-1 Item Nomencla	ture:										
Procurement, Mar	rine Corps (1109) / Communications and I	Electronic Equipment (4) / 029	9		INTELLIGENCE SUPPORT EQUIPMENT (P44257)											
Program Elements for Code B	tems:	Code	9:	Other Related Prog	ram Elements:											
	Prior Years	F	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog					
Proc Qty																
Gross Cost	71.5		31.5	16.4	10.6						129.9					
Less PY Adv Proc											ĺ					
Plus CY Adv Proc											1					
Net Proc (P-1)	71.5		31.5	16.4	10.6	0.0					129.9					
Initial Spares	2.5		4.1	6.9	10.1	1.9					25.4					
Total Proc Cost	74.0		35.5	23.3	20.6	1.9					155.4					
Flyaway U/C																
Wpn Sys Proc U/C											i					

This is a composite line of the intelligence equipment which includes:

Secondary Imagery Dissemination System (SIDS)

Tactical Remote Sensor Set (TRSS)

Team Portable Communication System (TPCS)

Trojan Spirit II

Intelligence Analysis System (TCAC)

Intelligence Analysis System (IAS) (MEF)

Commanders Tactical Terminal (CTT)

Radio Reconnaissance Equipment Program (RREP)

Joint Surveillance Target Attack Radar System (JSTARS)

		Ex	hibit P-40a,	Budget	Item Jus	tification	for Aggre	egated Ite	ems	Date:		September 199	)7	
Appropriation / Budget Activity								P-1 Item Nome						
Procurement, Marine Corps	(1109) /	Communi	cations and Electron	nic Equipment					11	NTELLIGENCE :	SUPPORT EQU	IPMENT (P442	57)	
Procurement Items	Code	UOM	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
SECONDARY IMAGE DISSEMINATION SYS	3	D	2.0			6.9	3.4	0.0	0.0	0.0	0.0	0.0		12.2
TACTION DEMOTE OF LOOP		Q	17.1			0.0	0.0	0.0	0.0	0.0	0.0	0.0		17.1
TACTICAL REMOTE SENSOR		D	17.1			0.0	0.0	0.0	0.0	0.0	0.0	0.0		0
TEAM DODT COMM OVO (TDOG LUDODAD		Q	44.5			0.4	2.0	2.0	0.0	2.0	0.0	0.0		17.9
TEAM PORT COMM SYS (TPCS - UPGRAD	<b>上</b> )	D Q	14.5			3.4	0.0	0.0	0.0	0.0	0.0	0.0		0
TROJAN SPIRIT II		D	7.9			0.0	0.0	0.0	0.0	0.0	0.0	0.0		7.9
THOUSEN OF HAT II		Q	7.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0		0
INTELLIGENCE ANALYSIS SYSTEM (TCAC	;)	D	0.0			10.7	0.0	0.0	0.0	0.0	0.0	0.0		10.7
	ĺ	Q												0
INTELLIGENCE ANALYSIS SYSTEM (MEF)		D	1.0			6.9	10.3	10.6	0.0	0.0	0.0	0.0		28.7
		Q												0
COMMANDERS TACTICAL TERMINAL		D	12.3			1.0	2.8	0.0	0.0	0.0	0.0	0.0		16.0
		Q												0
RADIO RECONNAISSANCE EQUIP PROGR	RAM	D	0.0			2.7	0.0	0.0	0.0	0.0	0.0	0.0		2.7
		Q												0
JSTARS		D	16.6			0.0	0.0	0.0	0.0	0.0	0.0	0.0		16.6
		Q												

		Corps (1109) / Com			m Nomenclature: IGENCE SUPPOF		44257)	Weapon System	Type:	Date: Septe	ember 1997
- 15	Electron	nic Equipment (4) / (	)29	EV 07			E)/ 00			E)/ 00	
			TotalCoat		LInitCoat	TotalCoat		UnitCoat	TotalCoat		UnitCos
CD				,						,	\$000
			6855 3371 10707 6880 958		\$000	3371 3371 10289 2753	Each	\$000	10558	Each	\$00C
						16413 (13199) (3214)			10558 (9570) (988)		
	ID CD	Electron ID CD	Electronic Equipment (4) / (1) ID CD	TotalCost	Electronic Equipment (4) / 029   FY 97	D   FY 97   TotalCost   Qty   UnitCost   SOOO   Each   SOOO   Each   SOOO   Each   Sooo   S	D	D	D	D	Electronic Equipment (4) / 029

	Exhibit	P-40, Budget	tem Justific	cation Shee	t		Date:		September 1997		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mai	rine Corps (1109) / Communications a	and Electronic Equipment (	4) / 029			\$	SECONDARY IMAG	ERY DISSEMINATION	ON SYSTEM (A440	72)	
Program Elements for Code B	tems:		Code:	Other Related Pro	gram Elements:						
			Α								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	10		41	20							71
Gross Cost	2.0		6.9	3.4							12.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	2.0		6.9	3.4							12.2
Initial Spares				0.5							0.5
Total Proc Cost	2.0		6.9	3.8							12.7
Flyaway U/C											•
Wpn Sys Proc U/C	0.199		0.167	0.169							

Manpack Secondary Imagery Dissemination System (SIDS) provides the MAGTF commander with the capability to collect, store, display, and transmit high priority reconnaissance imagery over organic MAGTF communciations assets in near real time. This will give the MAGTF commander access to time sensitive reconnaissance imagery. The system will be fielded to ground reconnaissance units within the MAGTF.

The SIDS system consists of a base station and 3 out stations. Previous submissions accounted for individual components. Consequently, the unit cost of the system is significantly larger than the unit cost of the individual components.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bud Procurement,	Marine Co	//Serial No: rps (1109) / Comr Equipment (4) / 0	munications and		m Nomenclature: DARY IMAGERY [	DISSEMINATION ( 072)	SYSTEM	Weapon System	Type:	Date: Septembe	er 1997
Weapon System	ID		Liectionic i	_quipment (4) / 0	29	FY 97	(//44	.072)	FY 98			FY 99	1 1001
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Manpack SIDS	А				6286	41	153317	3086	20	154300			
ACTORY TRAINING					245			123					
AD					50			25					
Contractor Support					274			137					
otal Cost					6855			3371					
Active Reserve					(6855) (0)			(3214) (157)					

Nomenclature ONDARY IMAC QTY Each	Unit Cost  \$		STEM (A4  Date Revsn Avail	4072) RFP Issu
ONDARY IMAC QTY Each	Unit Cost  \$	Specs Avail	Date Revsn	RFP Issu
QTY Each	Unit Cost	Specs Avail	Date Revsn	RFP Issu
		Now?	Avail	
41	41 15331			
41	41 15331			
		7 Yes	No	N/A
20	20 15430	0 Yes	No	N/A
	•	•	•	

Exhibit P-20	Require	ments Sti	udv	Approriation/Budget	Activity/Serial No:				Date:		
	<u> </u>			Procureme		9) / Communications a	nd Electronic Equipme	ent (4) / 029		September 1997	
P-1 Line Item Nomencla	ture (Include DC	ODIC for Ammun	ition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	INTELLIGENC	E SUPPORT EC	QUIPMENT (A44072)			4	Months			1	Months
Secondary Imagery	y Disseminat	ion System (	A44072)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					41	20					
Unit Cost					167.2	168.6					
Total Cost					6855.0	3371.0					
Asset Dynamics											
Beginning Asse	t Position				10	10	71	71	71	71	7
Deliveries from:		FY 1997	Funding			41					
Deliveries from:		FY 1998	Funding			20					
Deliveries from:		FY 1999	Funding								
Deliveries from	Subsequent	Years Funds	i								
Other Gains											
Combat Losses	1										
Training Losses	3										
Test Losses											
Other Losses											
Disposals/Retire	ements/Attrit	ions									
End of Year Ass	set Position				10	71	71	71	71	71	7
Inventory Objective	or Current A	Authorized All	owance								
Inventory Ob	jective	Actu	al Training	Other tha	n Training	Disp	osals	Vehicles Eligible		Aircraft:	
73		Exp	penditures	Us	age	(Vehicle	s/Other)	for Replacement		TOAI	
Assets Rqd for		96 thru		96 thru		96 thru				PAA:	
Combat Loads:	73	FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:	73							=		Storage	

Bli No. 474700 Item No. 18 Page 7 of 40 Exhibit P-20, Requirements Study

FY 1998 / FY 1999 BUDGET F	PRO	DUCTIO	N SCI	HEDUL	E		P-1 I	tem IV	omeno		: ONDAI	RY IM	IAGEF	RY DIS	SSEMI	INATIO	ON SY	YSTE	M (A44	1072)			Date		epten	nber 1	997				
				PROC	ACCEP.	BAL					Fis	cal \	/ear	96									Fi	scal				_			L
	М		S	QTY	PRIOR	DUE							(	Cale	ndar	Yea	ar 96	;									Year	97			Α
	F	FY	Е	Each	TO	AS OF	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М		М	J	J	Α	S	Т
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FY 1998 / FY 1999 BUDGET I	PRO	DUCTIO	N SCI	HEDUL	.E		P-1 II	em No	omeno		: ONDA	RY II	MAGE	RY DI	SSEM	INATI	ON SY	YSTE	M (A44	1072)			Date	a:			Sept	embe	r 1997				
				PROC	ACCEP.	BAL					Fis	cal	Year			- V-	00						Fi			ır 99		- 00			L		
COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A	A P	Α	J	Ŋ		Е	A T E R		
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Manpack Sids, NSWC	1	97	М	41	0	41	A	14	14	13														+	-			+	+	-			
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Crane, IN.																																	
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Manpack Sids, Reserves *	-	98	М	20	0	20		Α	14	6												-	-	-	-	-	-	-	┿	-			
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R NAME / LOCATION  1 Intergration of System, Crane, IN		MIN. 2	1	1-8-5 14	MAX. 30	D +			INITI/	AL RDER							4			1		Ͱ	5		-								
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	Exhibit	P-40, Budget	Item Justific	cation Shee	i		Date: September 1997				
Appropriation / Budget Activity/S	erial No:				P-1 Item Nomencla	ture:					
Procurement, Mari	ne Corps (1109) / Communications a	and Electronic Equipment	(4) / 029				TEAM PORT COM	MM SYS (TPCS - UF	PGRADE) (A44522)		
Program Elements for Code B It	ems:		Code:	Other Related Prog	ram Elements:						
			Α								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	9		2								11
Gross Cost	14.6		3.4								24
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	14.6		3.4	0.0							24
Initial Spares				1.6							1.6
Total Proc Cost	14.6		3.4	1.6							25
Flyaway U/C											
Wpn Sys Proc U/C	1.622		1.686								

Team Portable Communications Intelligence (COMINT) System (TPCS) is a semi-automated, man packable / team transportable signals intelligence system providing intercept, radio direction finding, analysis, reporting and collection management support to the Marine Air Ground Task Force Commander. TPCS is comprised of non-developmental items (NDI) and considered low risk.

The AN/PSQ-9 will replace the AN/PRD-10 and the AN/GRR-8 as well as add new capability.

TPCS UPGRADE BEGINNING FY99 IN MOD KITS (INTEL) BLI NO. 474900

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ B	t, Marine Co	y/Serial No: orps (1109) / Comr Equipment (4) / 0:			m Nomenclature: RT COMM SYS (T	PCS - UPGRADE	E) (A44522)	Weapon System	Type:	Date: Sep	tember 97
Weapon System	ID			, , , , ,		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Team Portable COMINT System, AN/PSQ-9	А					2							
Direction Finding Units					1024	8	128000						
WJ-9605 Front Panel Unit					84	16	5250						
WJ-8654-4 Intercept Rcvr					541	32	16906						
TCIM					58	14	4143						
TOPHUNTER System					1140	2	570000						
Factory Training					124								
Integ. Logistic Support					265								
Travel					25								
Contractor Support					110								
Total Cost					3371								

	Exhibit P-5a, Budget Procureme	nt History a	nd Planning					Date:		- 4007
Appropriation / Budget Activity/Serial No:	Exhibit 1-3a, Budget 1 Toculeine	Weapon Syste			P-1 Line Item	Nomenclatur	e:	8	Septembe	r 1997
Procurement, Marine Corps (1109) / Communications Equipment (4) / 029	s and Electronic				Т	EAM PORT C	OMM SYS (TPCS -	UPGRAD	E) (A4452	,
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
I										
FY 97										
WJ9605 Front Panel	Watkins-Jonson	O/IDIQ	NSA	Jun-97	Aug-97	16	5250	Yes	No	N/A
Unit	Gaithersburg, MD									
Intercept Rec	Watkins-Jonson	O/IDIQ	NSA	Jun-97	Sep-97	32	16906	Yes	No	N/A
	Gaithersburg, MD									
TCIMS	SAIC	O/IDIQ	CECOM	May-97	Dec-97	14	4143	Yes	No	N/A
	San Diego, CA	O/IDIQ	OLOGIVI	Iviay 57	DCC 57	14	7170	103	140	14//
DF Units										
	Watkins-Jonson Gaithersburg, MD	O/IDIQ	NSA	Dec-97	May-98	8	128000	Yes	No	N/A
Tophunter System	Caluticisburg, WiD									
Unit	Harris Corp	C/FPI/O	NSA	Jul-97	Apr-98	2	570000	Yes	No	N/A
	Melbourne, FL									

REMARKS: NSA - National Security Agency, Ft. Meade, MD

Exhibit P-20 Rec	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
	<u> </u>	Procureme	ent, Marine Corps (110	,	nd Electronic Equipm	ent (4) / 029	September 97	7	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
INTEL	LIGENCE SUPPORT EQUIPMENT (A4452	2)		10	Months			9	Months
Team Portable Comm Int	el Sys (A44522)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			2						
Unit Cost			1685.5						
Total Cost			3371.0						
Asset Dynamics									
Beginning Asset Posit	ion		3	9	11				
Deliveries from:	FY 1997 Funding			2					
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subse	quent Years Funds								
Other Gains			6						
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition		9	11	11				
Inventory Objective or Cu	rrent Authorized Allowance								
Inventory Objective	Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
11	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacemen	nt	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	_
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	

Bli No. 474700 Item No. 18 Page 13 of 40 Exhibit P-20, Requirements Study

FY 1998 / FY 1999 BUDGET	PRO	DUCTIO	N SCI	HEDUL	.E		P-1 II	em No	mend		: EAM F	ORT	COM	и sys	(TPC	S - UF	PGRAI	DE) (A	44522	2)		ı	Date					Se	eptemb	oer 97	
				PROC	ACCEP.	BAL					Fis	cal \	Year	96									Fis	scal	Yea	r 97					L
	М		S	QTY	PRIOR	DUE								Cale	ndar	Yea	ır 96										Year	97			Α
	F	FY	Е	Each	TO	AS OF	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	Т
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	S E P	O C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	E R
Direction Finding Units	1	97	MC	8	0	8																									8
WJ-9605 Front Panel Unit	1	97	MC	16	0	16																					Α		8	8	
WJ-8654-4 Receiver	1	97	MC	32	0	32																					Α			16	16
TCIMS	1	97	МС	14	0	14																				А					14
TOP Hunter System	1	97	MC	2	0	2					$\dashv$		$\vdash \vdash$			$\dashv$								-				Α			2
To Tranci dystem		- 37	IVIO																												2
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1 Watkins/Johnson, Gaithersburg, MD										RDER															1						
2 SAIC, San Diego, CA									INITI <i>A</i>																I						
3 Harris Corp. Melbourne, FL		1		1	1					RDER															4						
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FY 1998 / FY 1999 BUDGET	PRO	DUCTIO	N SCH	HEDUL	.E		P-1 II	em No	meno		: EAM F	PORT	COMI	M SYS	S (TPC	S - UI	PGRA	.DE) (	A4452	2)			Date	9:					S	eptem	ber 97
				PROC	ACCEP.	BAL					Fis	cal `	Year										Fi		Yea						L
	М		S	QTY	PRIOR	DUE								Cale	ndaı	r Yea	ar 98	}						C	Caler	ndar	Year	· 99			Α
	F	FY	E	Each	TO	AS OF	0	N	D	J	F	М	Α	М	J	J	Α	S	00	Ν	D	J	F	М	Α	М	J	J	Α	S E	Т
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	C T	0 V	E C	A N	E B	A R		A Y	U N	U	U G	E P	E R
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Direction Finding Units	1	97	MC	0	0	0			Α					4	4							1	1		╂		+	╂	+	$\vdash$	
Direction Finding Onits	+ '	97	IVIC	8	U	8			А					4	4										1		+	╂			
WJ-9605 Front Panel Unit	1	97	MC	16	16																										
WJ-8654-4 Receiver	1	97	MC	32	16	16	16																		┢		+	-			
TCIMS	1	97	МС	14	0	14			7	7																					
TOD Uninter Crister		0.7	MO								$\dashv$														L	1	1	_			
TOP Hunter System	1	97	MC	2	0	2	-	$\vdash$				-	1	1								1	1	+	$\mathbf{I}$	+	+	1	1		-
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М		P	RODUCTI	ON RATES		DEVONED		FR							MIN LE		IME			MFR		Î	TOTA	λL		REMAI					
F NAME / LOCATION		MIN.	1	-8-5	MAX.	REACHED D+			INITIA	AL			Pri	ior 1 C	oct.	Aft	ter 1 C	oct.	Aft	er 1 C	Oct.	A	fter 1 19		-						
1 Watkins/Johnson, Gaithersburg, MD							L		REO	RDER															1						
2 SAIC, San Diego, CA									INITIA																4						
3 Harris Corp. Melbourne, FL		1		1	1				REOF	RDER												$\vdash$			-						
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									INITIA	٩L															1						
									REO	RDER																					

	Exhibit	t P-40, Budget It	tem Justific	ation Sheet			Date:		September 1997		
Appropriation / Budget Activity/					P-1 Item Nomenclati	ture:			September 1997		
Procurement, N	larine Corps (1109) / Communications a	nd Electronic Equipment (4)	) / 029				INTELLIGENCE	ANALYSIS SYSTEM	(TCAC) (A44050)		
Program Elements for Code B	Items:		Code:	Other Related Progr	ram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			4								4
Gross Cost			10.7	<u> </u>							10.7
Less PY Adv Proc				<u> </u>							
Plus CY Adv Proc			Γ	Τ							
Net Proc (P-1)			10.7	0.0	0.0						10.7
Initial Spares				0.2	1.4						1.6
Total Proc Cost			10.7	0.2	1.4						12.3
Flyaway U/C				1							
Wpn Sys Proc U/C			2.677								
automated Signal improvement" sig	ne MEF IAS Technical C Is Intelligence (SIGINT) Inificantly decreases the yst software applications	fusion center when physical dimens	nich supports sions of the o	s the intelliger current syster	nce requirem m, increases	ents of the M maneuverab	/larine Air-Gr pility/deploym	round Task F nent options a	orce Comma and provides	ander. The "p s an enhanced	oroduct d set of

Weapon System D FY 97 FY 98 FY 99	Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activit Procurement, Marine Co Electronic			em Nomenclature: SENCE ANALYSIS	SYSTEM (TCAC	) (A44050)	Weapon System	Type:	Date: Septe	ember 1997
TotalCost   Qty   UnitCost   TotalCost   Qty   UnitCost   TotalCost   Qty   UnitCost   TotalCost   Qty   UnitCost   TotalCost   Qty   UnitCost   TotalCost   Qty   UnitCost   TotalCost   Qty   UnitCost   TotalCost   Qty   UnitCost   TotalCost   Qty   UnitCost   TotalCost   Qty   UnitCost   TotalCost   Qty   UnitCost   Qty   UnitCost   TotalCost   Qty   UnitCost   Qty   Q	Weapon System	ID			FY 97			FY 98	-		FY 99	
\$000   Each   \$ 000				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost		UnitCost
ADP SERVER SET					Each			Each				\$
WORKSTATIONS       1600       40       40000         COMPUTER PERIPHERALS       232       4       58000         SUPPORT ITEMS (TENT, ECU)       812       4       203000         INSTALLATION & ASSEMBLY       3000       4       750000         ECP IMPLEMENTATION       639       4       159750         COMMUNICATIONS EQUIPMENT       882       4       220500         LRIP RETROFIT       170       1       170000         PROJECT MGMT       158       158         TECHNICAL DATA       161       161         TRAINING/TRAINING SUPPORT       243         CM DATABASE STATUS ACCTING       197         SOFTWARE & LICENSES       329	S (TCAC) System					,	•			,		·
TOTAL 10707	OP SERVER SET ORKSTATIONS OMPUTER PERIPHERALS JPPORT ITEMS (TENT, ECU) ISTALLATION & ASSEMBLY CP IMPLEMENTATION OMMUNICATIONS EQUIPMENT RIP RETROFIT ROJECT MGMT ECHNICAL DATA RAINING/TRAINING SUPPORT M DATABASE STATUS ACCTING OFTWARE & LICENSES NGINEERING SUPPORT			1600 232 812 3000 639 882 170 158 161 243 197 329 1804	8 40 4 4 4 4 1	40000 58000 203000 750000 159750 220500						

								Date:		
Exhibit F	P-5a, Budget Procurement							8	September	1997
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclatur	e:			
Procurement, Marine Corps (1109) / Communications and Electronic					1	NTELLIGENO	E ANALYSIS SYST	EM (TCA	C) (A44050	))
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issue
	Communication and Economication	Method	20041011 01 1 00	/ mara bato				Avail	Revsn	Date
Fiscal Years Fiscal Year 97		and Type			Delivery	Each	\$	Now?	Avail	
	Vitro Corp. Oxnard, CA	C/FP	ESC, Hancom, AFB, MA	Apr-97	Jul-98	4	2740000	Yes	No	
INEF IAS (TOAC FIF)	VIIIO COIP. Oxnaid, CA	C/FF	ESC, Haricolli, AFB, MA	Αρι-91	Jul-30	4	2740000	165	INO	
REMARKS:			l	1	<u>I</u>				<u> </u>	
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Evhihit P-20 Rec	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
		Procureme	ent, Marine Corps (110	,	and Electronic Equip	oment (4) / 029		September 1997	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
INTEL	LIGENCE SUPPORT EQUIPMENT (A4405	0)		6	6 Months			15	Months
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			4						
Jnit Cost			2676.8						
Total Cost			10707.0						
Asset Dynamics									
Beginning Asset Posit	tion					3			
Deliveries from:	FY 1997 Funding			3	3	1			
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subse	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition			3	3	4			
nventory Objective or Cu	rrent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	e	Aircraft:	
4	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen	nt	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:		·		_				Storage	

Bli No. 474700 Item No. 18 Page 19 of 40 Exhibit P-20, Requirements Study

FY 98 / 99 BUDGET PROD	OUC	TION SC	HED	ULE			P-T IT	em No	menc			IGEN	ICE AI	NALYS	SIS SY	STEM	Л (TCA	AC) (A	44050	)			Date				Septer	nber 1	997		
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Exhibit	P-40, Budget	Item Justific	ation Sheet					September 1997		
al No:				P-1 Item Nomenclat	ure:	•				
e Corps (1109) / Communications ar	d Electronic Equipment (	4) / 029				INTELLIGENCE	ANALYSIS SYSTEM	M (MEF) (A44104)		
ns:		Code:	Other Related Prog	ram Elements:						
13M C2270										
Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
1.0		6.9	10.3	10.6						28.7
1.0		6.9	10.3	10.6	0.0					28.7
2.5		0.5	0.1	1.1	1.9					6.0
3.4		7.4	10.3	11.6	1.9					34.7
	e Corps (1109) / Communications ar s: 13M C2270 Prior Years 1.0 1.0 2.5 3.4	e Corps (1109) / Communications and Electronic Equipment ( s:  13M C2270  Prior Years  1.0  1.0  2.5  3.4	e Corps (1109) / Communications and Electronic Equipment (4) / 029 s:  Code:  13M C2270  Prior Years  FY 1997  1.0  6.9  1.0  6.9  2.5  3.4  7.4	e Corps (1109) / Communications and Electronic Equipment (4) / 029 s:  Code:  Other Related Prog  13M C2270  Prior Years  FY 1997  FY 1998  1.0  6.9  10.3  1.0  6.9  10.3  2.5  0.5  0.1  3.4  7.4  10.3	e Corps (1109) / Communications and Electronic Equipment (4) / 029  s: Code: Other Related Program Elements:    Prior Years	e Corps (1109) / Communications and Electronic Equipment (4) / 029  s: Code: Other Related Program Elements:    Prior Years	Code:   Other Related Program Elements:	Code:   Other Related Program Elements:   Other Related Program Elements	Corps (1109) / Communications and Electronic Equipment (4) / 029   INTELLIGENCE ANALYSIS SYSTEM (MEF) (A44104)	Code   Code

NARRATIVE: The Intelligence Analysis System (IAS) will provide finished intelligence data to the commander in near-real-time, allowing him to act on intelligence, rather than react to events. The IAS consists of three subsystems: IAS (Suites), IAS (MEF), and IAS (Workstations). The IAS will utilize the Modernized Integrated Database (MIDB) developed by DIA, and will utilize commercial and government developed software.

MEF IAS consists of two HMMWV-mounted shelters per system. Each shelter contains a ruggedized file server, communications server, communications interfaces (modems, crypto) and peripherials (CD ROM, tape drives, hard disk drives, plotter, dot matrix and laser printers). The servers will be connected to up to six desktop workstations on a Local Area Network (LAN).

IAS Workstations consist of one laptop or suitcase style computer (configured as a server) with a printer.

MEF IAS APPROVAL FOR SERVICE USE (FY 96): CODE A IAS WORKSTATION APPROVAL FOR SERVICE USE: CODE B

DT-Apr 98 MSIII-Mar 99

IOT&E-Dec 98 Test Results-None to Date

Technical Data Packages-May 98

Exhibit P-5, Weapon WPN SYST Cost Analysis			y/Serial No: orps (1109) / Comr Equipment (4) / 0			m Nomenclature: SENCE ANALYSIS	S SYSTEM (MEF)	(A44104)	Weapon System	Туре:	Date: Septe	ember 1997
Weapon System	ID	21000101110			FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
MEF IAS SYSTEMS	Α			\$000	Each 7	\$	\$000	Each	\$	\$000	Each	\$
Servers, Peripherals				3011	14	215071						
Workstations, Desktop				1406	56	25107						
Cables and Connectors				350								
Racks				126								
System Integration Engineering Support Integ Logistics Support				751 576 660			4544 2584 2107					
IAS WORKSTATION (Battalion/Squadron	В											
Workstation (Laptop or Suitcase)							518	11	47091	7211	150	4807
Printer/Peripherals							173	11	15727	2405	150	1603
System Integration Engineering Support Integ Logistics Support							117 125 121			150 371 421		
TOTAL Active Reserve				<b>6880</b> (6880) (0)			<b>10289</b> (10289) (0)			<b>10558</b> (9570) (988)		

hibit D. Ea. Budget Dressuranes	nt History s	nd Dianning					Date:		
nibit P-5a, Budget Procureme				D. d. Line Hear	Name alaton		S	eptember	1997
ectronic	weapon Syste	ет туре:					EM (MEF)	) (A44104)	)
Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
	and Type			Delivery	Each	\$	Now?	Avail	
		ESC Hanscom AFB, Ma.							
Vitro Corp., Oxnard, Ca.	C/CPFP		Apr-97	May-97	14	215071	YES		
	C/CPFP		Apr-97	May-97	56	25107	YES		
TBD	TBD		Oct-97	Apr-98	11	47091	NO		
TBD	TBD		Oct-97	Apr-98	11	15727	NO		
TBD	TBD		Oct-98	Apr-99	150	48073	NO		
TBD	TBD		Oct-98	Apr-99	150	16033	NO		
	Contractor and Location  Vitro Corp., Oxnard, Ca.  TBD  TBD  TBD	Vitro Corp., Oxnard, Ca.  C/CPFP  TBD  TBD  TBD  TBD  TBD  TBD  TBD  TB	Contract Method and Type  Vitro Corp., Oxnard, Ca.  C/CPFP  TBD  TBD  TBD  TBD  TBD  TBD  TBD  TB	Contractor and Location   Contract   Method   Award Date	Contractor and Location   Contract Method and Type   Location of PCO   Award Date Date of First Delivery	Contractor and Location	Weapon System Type:   P-1 Line Item Nomenclature:   INTELLIGENCE ANALYSIS SYST	Contractor and Location   Contract Method and Type   ESC Hanscom AFB, Ma.   Apr-97   May-97   14   215071   YES	P-1 Line   tem Nomenclature:   INTELLIGENCE ANALYSIS SYSTEM (MEF) (A44104)

Exhibit P-20, Rec	uirements Study	Approriation/Budget	Activity/Serial No:				Date:		
		Procureme	ent, Marine Corps (110	9) / Communications a	nd Electronic Equip	ment (4) / 029		September 1997	7
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
INTEL	LIGENCE SUPPORT EQUIPMENT (A441)	04)		6	Months			4	Months
IAS MEF			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			7						
Unit Cost			982.9						
Total Cost			6880.0						
Asset Dynamics									
Beginning Asset Posit	ion		2	9		9			
Deliveries from:	FY 1997 Funding		7						
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subse	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition		9	9		9			
Inventory Objective or Cu	rrent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
9	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemer	nt	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						<del></del>		Storage	

Bli No. 474700 Item No. 18 Page 25 of 40 Exhibit P-20, Requirements Study

Exhibit P-20, Req	uirements Study	Approriation/Budget	Activity/Serial No:				Date:		
•	•	Procure		Communications and Ele	ectronic Equipment /	P4425029		September 1997	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (at	fter Oct 1):			Prod Leadtime:		
A44104 CONT				6	Months			18	Months
IAS Workstation			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				11	150				
Unit Cost				95.8	70.4				
Total Cost				1054.0	10558.0				
Asset Dynamics									
Beginning Asset Positi					11				
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding			11					
Deliveries from:	FY 1999 Funding				150				
Deliveries from Subsection	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements									
End of Year Asset Pos	sition			11	161				
Inventory Objective or Cu	rrent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
161	Expenditures	U:	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	

FY 98 / 99 BUDGET PRO	DUC	TION SO	CHED	ULE			P-1 11	rem ivo	omeno		: INTEL	LIGEI	NCE A	NALY	SIS S	YSTE	M (ME	EF) (A	44104	)			Dat	e:			Sep	tembe	er 1997	,	
				PROC	ACCEP.	BAL					Fis	cal	Year										F		Yea						L
	М		S	QTY	PRIOR	DUE								Cale	nda	r Yea	ar 96	5						_	Caler	_		r 97			Α
	F R	FY	E	Each	TO 1 OCT	AS OF	0	N	D	J	F	M	Α	М	J	J	A	S	O C	N	D	J	F	М	A	M	J				T
COST ELEMENTS	K		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U	U L	U G	E P	T	0 V	E C	A N	E B	A R		A Y	U N		J U G	l E	E R
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(Battalions/Squadrons)																								T	T			T	T		
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IAS WORKSTATIONS		99	MC	150	0	150																Î									150
(Battalion/Squadron) Reserves*		99	MC	17	0	17																							$\top$		17
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PRINTER		98	MC	11	0	11													Α									1	$\top$		11
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PRINTER		99	MC	150	0	150																						1	1		150
Reserves*		99	MC	17	0	17																						1	1		17
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				PROC	ACCEP.	BAL					Fis	cal	Year										Fi	scal							L
	М		S	QTY	PRIOR	DUE								Cale	ndar	Yea	ar 98							С	alen		Year	99			Α
	F	FY	E	Each	TO	AS OF	0		D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	A	S	T
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	O C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	E R
MEF IAS SERVERS/PERIPHERALS		97	MC	14	0	14															Ť		Ť			Ť	Ť	f			
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WORKSTATIONS	1	97	МС	56	0	56																			l			t	+		1
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IAS WORKSTATIONS		98	МС	11	0	11							11									Г	t		1	1		T	T		
(Battalions/Squadrons)																									1			t	$\top$		
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IAS WORKSTATIONS		99	МС	150	0	150	Α																T		150		1	t	$\top$		
(Battalion/Squadron) Reserves*	1	99	MC	17	0	17	Α																	T	17			t	1		1
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PRINTER		98	МС	11	0	11							11											1	l			1	+		
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							Date:				
	Exhib	it P-40, Budget I	tem Justific	cation Shee	t		September 1997				
Appropriation / Budget Activity/Se	erial No:				P-1 Item Nomencla	ture:					
Procurement, Marir	ne Corps (1109) / Communications	s and Electronic Equipment (	4) / 029				COMMANDE	RS' AND JOINT TAC	TICAL TERMINAL	(CTT AND JTT)	
Program Elements for Code B Ite	ems:		Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	34		4	8							46
Gross Cost	12.3		1.0	2.8							16.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	12.3		1.0	2.8	0.0						16.0
Initial Spares				2.7	4.0						6.7
Total Proc Cost	12.3		1.0	5.5	4.0						22.7
Flyaway U/C											
Wpn Sys Proc U/C	0.362		0.240	0.344							

The Intelligence Broadcast Receiver (IBR) program consists of two systems; the AN/USC-55A, Tactical Command System, commonly referred to as the Commander's Tactical Terminal Three-Channel (CTT3), and the Joint Tactical Terminal (JTT). In Oct 95 the Integrated Broadcast Service (IBS) plan was approved. The AN/USC-55A will migrate to the JTT with the use of the Common Intergrated Broadcast Service-Modules (CIBS-M). These IBR's receive, decrypt, and process near-real-time (NRT) intelligence reports simultaneously from multiple sources. They will provide NRT intelligence data to the command, control, and intelligence (C2I) elements of the Marine Air-Ground Task Force (MAGTF). In addition, the IBR's provide full duplex data and handles communications with an anti-jam capability between the GUARDRAIL intelligence processing facility and tactical units. The IBR's are being procured by the U.S. Army (PM HTT/CIBS-M) via a contract with Raytheon E-Systems for the CTT3, and the contract for the JTT is still under protest. The IBR's provide the Marine Corps with a multi-service intelligence dissemination interoperability into the next century, meeting criteria by the mult-service intelligence dissemination architecture panel.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ E Procureme	nt, Marine Co	y/Serial No: orps (1109) / Comr Equipment (4) / 0			em Nomenclature: MANDERS TACTIO		.44073)	Weapon System	Туре:	Date: Septe	ember 1997
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CTT 3 Commanders' Tactical Terminal Three- Channel (CTT3)	А												
Ancillary Equipment Support Costs													
CTT3 Commanders' Tactical Terminal Three Channel (CTT3)	А				958	4	239500						
Ancillary Equipment Support Costs													
Joint Tactical Terminal (JTT)								2240	8	280000			
Ancillary Equipment								513					
Total Cost					958			2753					

Ev	hibit P-5a, Budget Procureme	nt History s	and Planning					Date:		
Appropriation / Budget Activity/Serial No:		Weapon Syst	tem Type:		P-1 Line Item	Nomenclature	e:	S	September	1997
Procurement, Marine Corps (1109) / Communications and E Equipment (4) / 029	lectronic					COMMANDI	ERS TACTICAL TE	RMINAL (	A44073)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
FY97 Commanders' Tactical Terminal (CTT3) FY98 Joint Tactical Terminal (JTT)	Raytheon E-Systems, ECI Division, St Petersburg, FL	FFP	USA CECOM		May-98 Mar-99	4	239500 280000		No No	N/A
REMARKS:										

Eyhihit P-20 Ra	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		•
•		Procureme	ent, Marine Corps (1109	,	nd Electronic Equipme	ent (4) / 029		September 1997	
P-1 Line Item Nomenclature (Ir	nclude DODIC for Ammunition Items):		Admin Leadtime (after	r Oct 1):			Prod Leadtime:		
INTE	LLIGENCE SUPPORT EQUIPMENT (A440)	73)		10	Months			9	Months
Commander's and Joint	Tactical Terminal (CTT3 & JTT)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			4	8					
Unit Cost			239.5	344.125					
Total Cost			958	2753					
Asset Dynamics									
Beginning Asset Pos	ition		1	7	39				
Deliveries from:	FY 1997 Funding			4	0				
Deliveries from:	FY 1998 Funding				8				
Deliveries from:	FY 1999 Funding								
Deliveries from Subs	equent Years Funds								
Other Gains			6	28					
Combat Losses									
Training Losses									
Test Losses									<u> </u>
Other Losses									
Disposals/Retiremen	ts/Attritions								
End of Year Asset Po	osition		7	39	47				
Inventory Objective or C	urrent Authorized Allowance								
Inventory Objective	e Actual Training	Other that	an Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
47	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:	0							Storage	

Remarks: FY 95 CTT3 Prototype funded with R&D.

FY 98 / 99 BUDGET PR	ODUC	TION SO	CHED	ULE			P-1 II	em No	omend	clature		ИМАN	IDERS	TACTI	ICAL -	TERM	IINAL	(A440	073)				Date						Sep	otemb	er 1997
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CTT3	Α	97	MC	4	0	4									1														Α		4
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JTT	В	98	МС	8	0	8		Α																4	4						0
CTT3	Α	96	Α	36	7	29	3	5	2	2	5	10	2																		
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	Exhibi	t P-40, Budget I	ltem Justific	cation Sheet	t		Date: September 1997				
Appropriation / Budget Activity/					P-1 Item Nomenclat		<u> </u>				
	rine Corps (1109) / Communications	and Electronic Equipment (					RADIO RECONNA	AISSANCE EQUIP PI	ROGRAM (A44435)	)	
Program Elements for Code B	Items:		Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			18								18
Gross Cost			2.7								2.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			2.7								2.7
Initial Spares											
Total Proc Cost			2.7								2.7
Flyaway U/C											
Wpn Sys Proc U/C			0.150								

Radio Reconnaissance Equipment Program (RREP) provides the Radio Reconnaissance Teams (RRTs) with a rugged, lightweight Signals Intelligence (Sigint) System capable of semi-automated signal search/cataloging, database storage, limited traffic analysis, integrated Global Positioning System (GPS) and digital audio recording, radio direction finding, and data base transfer.

Approval for service use: FY 97 = Code A

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement	, Marine Co	y/Serial No: rps (1109) / Comr Equipment (4) / 0:	munications and 29		m Nomenclature: CONNAISSANCE	EQUIP PROGRA	.M (A44435)	Weapon System	Type:	Date: Septe	ember 1997
Weapon System	ID			12-12-14 (1) / 0.	-	FY 97			FY 98			FY 99	
Cost Flaments					TotalCost		UnitCost	TotalCost		UnitCost	TotalCost		UnitCost
Oost Elements													
Weapon System Cost Elements  RREP-SS-1	A A				TotalCost \$000 2700	Each 18	UnitCost \$ 150000	TotalCost \$000	FY 98 Qty Each	UnitCost \$	TotalCost \$000	Each	UnitCost \$
Total Cost					2700								

	Exhibit P-5a, Budget Procureme	nt History a	and Planning					Date:	September	1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communic: Equipment (4) / 029		Weapon Syst	tem Type:			Nomenclatur	e: NAISSANCE EQUIF			
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$0	Specs Avail Now?	Date Revsn Avail	RFP Issu Date
FY 97 RREP	CMI Woodlawn Hills, CA		NAWC Pt Mugu,CA	Jun-97	May-98	18			NO	N/A
REMARKS:										

Exhibit P-20, Req	uirements Study	Approriation/Budget	Activity/Serial No:				Date:		
· -		Procureme	ent, Marine Corps (110	,	and Electronic Equip	ment (4) / 029		September 1997	•
P-1 Line Item Nomenclature (Inclu	ude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
INTELL	IGENCE SUPPORT EQUIPMENT (A4443	5)		8	Months			11	Months
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			18						
Unit Cost			150.0						
Total Cost			2700.0						
Asset Dynamics									
Beginning Asset Position	on								
Deliveries from:	FY 1997 Funding			18					
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subsec	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/	/Attritions								
End of Year Asset Posi	ition			18					
Inventory Objective or Cur	rent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
18	Expenditures	U	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:		<del></del>						Storage	

Bli No. 474700 Item No. 18 Page 38 of 40 Exhibit P-20, Requirements Study

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FY 1998 / FY 1999 BUDGET F	PROI	DUCTIO	N SCI	HEDUL	.E		P-1 IT	em No	menc		DIO R	RECO	NNAIS	SANCI	E EQU	IP PR	OGRA	AM (A	44435	i)			Date:				Septe	mber	1997		
				PROC	ACCEP.	BAL					Fis	cal \	ear :										Fis	scal	Yea	r 99					L
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	Exhibit P-4	10, Budget Item Justi	fication Shee	t		Date:		September 1997		
Appropriation / Budget Activity/S	Serial No:			P-1 Item Nomencla	iture:	•				
Procurement, Mar	rine Corps (1109) / Communications and Ele	ectronic Equipment (4) / 030				MODIFIC	ATION KITS (INTEL	.) (P44823)		
Program Elements for Code B I	tems:	Code:	Other Related Pro	gram Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty										
Gross Cost	3.4	6.1	5.8	4.6	8.3	3.4	4.5	1.6	Cont	Cont
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	3.4	6.1	5.8	4.6	8.3	3.4	4.5	1.6	Cont	Cont
Initial Spares	0.7	0.2		2.1	0.8	0.4				
Total Proc Cost	3.4	6.2	5.8	6.6	9.1	3.9	4.5	1.6	Cont	Cont
Flyaway U/C										
Wpn Sys Proc U/C										

Modifications under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded, or to increase operational capabilities of end items previously fielded. The funding profile supports modifications to the following intelligence systems. All items are Code A.

Intelligence Analysis System MOD

Tactical Remote Sensor System (TRSS)

Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES), AN/TSQ-90

Team Portable COMINT System (TPCS)

MOD	INSTALLING AGENT	INSTALLATION	END ITEM
IAS MOD MEMORY DATA STORAGE	FIELD/NSWC, CRANE, IN	BEGIN: OCT 96 END: DEC 03	IAS MOD
TRSS	NAWC-ADI, INDY, IN	BEGIN: DEC 96	TRSS MOD
TERPES	NAWC WPNS, PT MUGU, CA	BEGIN: JAN 98 END: MAR 03	AN/TSQ-90
TPCS-UPGRADE PHASE II	NATIONAL SECURITY AGENO FT MEADE, MD	CY BEGIN: JUN 99 END: MAR 02	TPCS UPGRADE

Exhibit P-40C Budget Item Justification Sheet											
Procureme Program Elements for Co	Code	Other Pelated Progr	MODIFICATION KITS (INTEL) (P44823) lated Program Elements								
r rogram Elemente for Gode Bittems			Code	Other Related Flogra	regian Ecinene						
Description		Fiscal Years									
OSIP NO.	Classification		FY97	FY98	FY99	FY00	FY01	FY02	FY03	TC	Total
IAS MOD	•				•	-	-		•		
	1 EFFICIENCY		4.6	1.4	1.4	1.4	1.3	1.5	1.6	Cont	Cont
TRSS											
	2 EFFICIENCY		0.3	0.0	0.0	0.0	0.0	0.0	0.0	Cont	Cont
TERPES											
	3 EFFICIENCY		1.1	4.4	0.0	4.0	0.0	3.0	0.0	Cont	Cont
TPCS-UPGRAI	DE										
	4 EFFICIENCY		0.0	0.0	3.2	2.9	2.1	0.0	0.0	Cont	Cont
Totals			6.1	5.8	4.6	8.3	3.4	4.5	1.6	Cont	Cont

Exhibit P-5, Weapon WPN SYST Cost Analysis			, Marine Co	y/Serial No: orps (1109) / Comr Equipment (4) / 0			em Nomenclature: IODIFICATION KIT	ΓS (INTEL) (P4482	3)	Weapon System	Туре:	Date: Sept	ember 1997
Weapon System	ID			(.),		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
INTELLIGENCE ANALYSIS SYSTEM MOD	Α				4615	LOT	VAR	1406	LOT	VAR	1390	LOT	VAR
TRSS	Α				317	LOT	VAR						
AN/TSQ-90 TERPES	Α				1125	LOT	VAR	4418	5	883600			
TPCS	Α										3191	11	290091
TOTAL		924			6057			5824			4581		

								Date:		
Exhi	bit P-5a, Budget Procurement I							S	eptember	1997
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communications and Elect Equipment (4) / 030	ronic					MODIF	ICATION KITS (INT	EL) (P448	23)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
NTELLIGENCE ANALYSIS SYSTEM MOD										
FY 97	HEWLETT PACKARD, CA	OPTION	MCSC/NWSC, MCTSSA	Jan-97	Mar-97	VAR	VAR	YES	NO	N/A
FY 98	HEWLETT PACKARD, CA		MCSC/NWSC, MCTSSA	Oct-97	Jan-98	VAR	VAR		NO	N/A
FY 99	HEWLETT PACKARD, CA		MCSC/NWSC, MCTSSA	Oct-98	Jan-99	VAR	VAR	YES	NO	N/A
TRSS										
FY 97	NAWC-ADI, INDY, IN	PO	NAWC-ADI INDY, IN	Dec-96	Sep-97	VAR	VAR	YES	NO	N/A
AN/TSQ-90 TERPES										
FY 97	NAWC WEAPONS PT MUGU, CA		NAWC WPN PT MUGU, CA		Jan-98	VAR	VAR	YES	NO	N/A
FY 98	NAWC WEAPONS PT MUGU, CA	FFP	NAWC WPN PT MUGU, CA	Mar-98	Sep-98	5	883600	YES	NO	N/A
TPCS										
FY 99	ARGO SYSTEMS	FPI	NSA	Jan-99	Jun-99	11	290091	YES	NO	N/A
REMARKS:										

INDIVIDUAL MODIFICATION Date September 1997 Intelligence Analsysis System (IAS) MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: JAS MODIFICATION DESCRIPTION / JUSTIFICATION: The IAS automates and integrates the intelligence processing activities of the Marine Air Ground Task Forces (MAGTFs). The IAS fuses intelligence information from sensors, signals and communications intelligence, and human sources, and provides this intelligence to the commander and his staff. The IAS is required to interface with a number of tactical and national systems, and must be upgraded in order to maintain these capabilities and to continue functioning as new systems are developed. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: MEFIAS MS III NOV 96 IAS SUITES MS III NOV 97 Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals 4 LOT LOT LOT LOT LOT Inputs LOT Outputs \_OT LOT LOT LOT LOT LOT FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs LOT LOT LOT LOT LOT LOT LOT LOT Outputs METHOD OF IMPLEMENTATION: PRODUCTION LEADTIME: ADMINISTRATIVE LEADTIME: 3 Months Months

OCT 97

JAN 98

FY 1999

FY 1999

OCT 98

**JAN 99** 

FY 1998

FY 1998

Contract Dates:

Delivery Date:

FY 1997

FY 1997

**JAN 97** 

MAR 97

					IN	DIVIDUA	L MOD	IFICATIO	N							Date		Septen	nber 1997	
MODIFICATION TITLE (Cont):		Int	elligen	ce Ana	lysis S	ystem (	(IAS)													
FINANCIAL PLAN: (\$ in Millions)	EV.	1996	Ī																	
		Prior	FY	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	FY	2003	-	ГС	TC	TAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E	,	•	,		,		,		,		,		,	,	,		ĺ		,	
PROCUREMENT																				
Kit Quantity	LOT		LOT		LOT		LOT		LOT		LOT		LOT		LOT					
Inst Kits, Nonrecurring																				
Equipment, Nonrecurring	1	0.903		4.595		0.792		0.760		0.724		0.754		0.831		0.856		Cont		Cont
Equipment, Nonrecurring	·	0.505		4.000		0.732		0.700		0.724		0.754		0.001		0.000		Cont		Cont
ECO DATA Other INTERIM CONTRACTOR SPT		0.010		0.010		0.027 0.382 0.040		0.028 0.394 0.039		0.029 0.406 0.040		0.030 0.358 0.044		0.031 0.430 0.045		0.032 0.443 0.051				
Installation of Hardware						0.040		0.003		0.040		0.044		0.043		0.001				
FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits	LOT	0.011	LOT	0.010	LOT	0.165	LOT	0.169	LOT	0.174	LOT	0.150	LOT	0.184	LOT	0.190				
FY 2003 Eqpt kits (FY(TC) Eqpt (xx kits)																0.190				
Installment Cost		0.011		0.010		0.165		0.169		0.174		0.150		0.184		0.190		Cont		Cont
Total Procurement Cost		0.924		4.615		1.406		1.390		1.373		1.336		1.521		1.572		Cont		Cont

Bli No. 474900 Item No. 19 Page 6 of 12 Exhibit P-3a Individual Modification

INDIVIDUAL MODIFICATION Date September 1997 TRSS MOD (AIR DELIVERED SENSOR) MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: Tactical Remote Sensor System DESCRIPTION / JUSTIFICATION: The TRSS Mod is an enhancement to the Phase III Air-delivered Seismic Intrusion Detector (ADSID) sensor that provides activation classification. Current air-delivered systems require verification of activity by utilizing alternate surveillance methods, I.e., recon units, UAV's, etc...to describe activity in sensor vicinity. This mod uses recent acoustic technologies to enable remote determination of activity thereby reducing dependence upon alternate surveillance means. Prototypes built and tested 2nd qtr FY96. Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: PRODUCTION LEADTIME: FIELD INSTALL 2 Months 9 Months Contract Dates: FY 1997 DEC 96 FY 1998 Enter Date FY 1999 **Enter Date** Delivery Date: FY 1997 SEP 97 FY 1998 **Enter Date** FY 1999 **Enter Date** 

Bli No. 474900 Item No. 19 Page 7 of 12 Exhibit P-3a Individual Modification

				IN	IDIVIDU	AL MOD	IFICATI	ON							Date		Septer	nber 1997	
MODIFICATION TITLE (Cont):	TRSS																		
FINANCIAL PLAN: (\$ in Millions)		ī																	
	FY 1																		
	and I		1997		1998		1999		2000		2001		2002		2003		ΓC		TAL
RDT&E	Qty	\$ Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PROCUREMENT																			
Kit Quantity																			
T																			
Inst Kits, Nonrecurring EQUIPMENT			0.228																0.00
EQUIPMENT			0.228																0.22
Equipment, Nonrecurring			0.050																0.05
ENGINEERING CHANGE ORDS			0.030																0.03
ENGINEERING CHANGE ORDS			0.020																0.02
ECO																			
ECO																			
Other			0.019																0.01
Other			0.013																0.01
Installation of Hardware																			
FY 1996 & Prior Eqpt Kits																			
FY 1997 Eqpt Kits																			
FY 1998 Eqpt Kits																			
FY 1999 Eqpt Kits																			
FY 2000 Eqpt kits																			
FY 2001 Eqpt kits																			
FY 2007 Eqpt kits																			
FY 2003 Eqpt kits																			
(FY(TC) Eqpt (xx kits)																			
Installment Cost							-								+	+			
Total Procurement Cost			0.317			-		-		-		+				+			0.31

Bli No. 474900 Item No. 19 Page 8 of 12 Exhibit P-3a Individual Modification

INDIVIDUAL MODIFICATION Date September 1997 TERPES N/A MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: ALL AN/TSQ-90'S (TERPES) DESCRIPTION / JUSTIFICATION: The AN/TSQ-90, TERPES, processes ELINT from the EA-6B aircraft and incorporates other fused information. This upgrade incorporates enhancements for CTT and adds communication links to GCCS, TCAC, DODIIS, TADIL A&B, and USQ-113 support. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Program is implemented as individual ECP's to existing system. Items are prototyped and tested. Manufacturing and procurement of nondevelopmental items (NDI) occurs during final software development. TERPES Upgrade was awarded a MS II on 28 Mar 95. TERPES Upgrade MS III scheduled for Dec 97. Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals 1 Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals 3 Complete Inputs Cont Cont Cont Cont Outputs METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: PRODUCTION LEADTIME: 9 Months 6 Months Contract Dates: FY 1997 Jul 97 FY 1998 Mar 98 FY 1999 N/A Delivery Date: FY 1997 Jan 98 FY 1998 Sep 98 FY 1999 N/A

				IN	DIVIDUA	L MOD	IFICATIO	NC						Date		Septen	nber 1997	
MODIFICATION TITLE (Cont):	TE	RPES																
FINANCIAL PLAN: (\$ in Millions)	FY 1996																	
	and Prior	FY 1			1998		1999		2000	FY 2		2002		2003		ГС	TOT	
DD705	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$ Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT																		
Kit Quantity				5				5			5							
Inst Kits, Nonrecurring																		
Equipment, Nonrecurring			0.725		2.418				1.970			1.519				Cont		Cont
ECO																		
Other			0.400															
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits FY 2003 Eqpt kits (FY(TC) Eqpt (xx kits)				5	2.000			5	2.000		5	1.500						
Installment Cost			4.40=		2.000				2.000			1.500			1	Cont		Cont
Total Procurement Cost			1.125		4.418				3.970			3.019				Cont	(	Cont

INDIVIDUAL MODIFICATION Date September 1997 TPCS Phase I & II Upgrade MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: Team Portable Communications Intelligence System DESCRIPTION / JUSTIFICATION: TPCS is a semi-authomated, man-packable, team transportable signals intelligence system that provides communications intercept, radio direction finding, collection management, analysis and reporting to the Marine Air Ground Task Force (MAGTF) Commander. TPCS is primarily comprised of commercial-off-the-shelf (COTS) and non-developmental items (NDI). The Upgrade will enable TPCS to exploit advanced communications such as cellular formats and low probability of intercept (LPI) signals. The Upgrade will also provide advanced automation and conform to the JMCIS/GCCS common operating environment (COE). DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: NAPDD for TOPMAKER development: Mar 95; MS II: Feb 97; MS III (Phase II): 4QFY 99 Installation Schedule: Pr Yr FY 1997 FY 1999 FY 2000 FY 2001 FY 1998 Totals 1 3 11 6 Inputs Outputs 11 FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTATION: PRODUCTION LEADTIME: ADMINISTRATIVE LEADTIME: 3 Months 5 Months

N/A

N/A

FY 1999

FY 1999

**JAN 99** 

**JUN 99** 

FY 1998

FY 1998

Contract Dates:

Delivery Date:

FY 1997

FY 1997

N/A

N/A

				IN	IDIVIDUA	AL MOD	IFICATIO	N							Date		Septer	mber 1997	
MODIFICATION TITLE (Cont):	TF	CS PI	nase I 8	ll Up	grade 0	0001													
FINANCIAL PLAN: (\$ in Millions)	FY 1996	1																	
	and Prior		1997		1998		1999	FY 2		FY 2			2002		2003		ГС	TOT	
RDT&E PROCUREMENT Kit Quantity Install Kits, Nonrecurring	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
Equipment, NonR (Phase I)						11	2.927											11	2.927
Equipment, NonR (Phase II)								6	2.490	5	2.075							11	4.565
ECO							0.200		0.220										0.420
Other Training Support Support Equipment Other							0.064		0.120 0.060 0.020		0.018 0.015								0.202 0.075 0.020
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits FY 2003 Eqpt kits FY 2003 Eqpt kits (FY(TC) Eqpt (xx kits)																			
Installment Cost (Phase II) Total Procurement Cost							3.191		2.910		2.108								8.209

	Exhibit	P-40, Budget	Item Justific	cation Shee	t		Date:		September 1997		
Appropriation / Budget Activity/S	erial No:				P-1 Item Nomencla	ture:					
Procurement, Mari	ne Corps (1109) / Communications a	and Electronic Equipment	(4) / 031				ITEMS LESS T	THAN \$2 MILLION (II	NTEL) (P44524)		
Program Elements for Code B It	ems:		Code:	Other Related Pro	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost	5.1		0.4	0.6		2.1					8.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	5.1		0.4	0.6		2.1					8.3
Initial Spares											
Total Proc Cost	5.1		0.4	0.6		2.1					8.3
Flyaway U/C											
Wpn Sys Proc U/C											

This is a roll-up line which consists of:

Technical Surveillance Countermeasures (TSCM) - A suite of equipment which provides the Marine Corps Counterintelligence Teams (CIT) with an updated capability to detect clandestine surveillance devices ("bugs") employed by hostile intelligence organizations in a garrison and/or combat environment. Funds are used to procure TSCM Laser detection systems and other direction finding systems. The Mapping Set/Upgrade of Digital Terrain Analysis Mapping System (DTAMS) provides the Topographic Platoons with a portable means to exploit Defense Mapping Agency (DMA) digital mapping products in support of the Marine Air Ground Task Force (MAGTF).

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Activity/Serial No: Procurement, Marine Corps (1109) / Comr Electronic Equipment (4) / 0:			em Nomenclature: LESS THAN \$2 M	MILLION (INTEL) (P	244524)	Weapon System	Туре:	Date: Septe	ember 1997
Weapon System	ID	• • • • • • • • • • • • • • • • • • • •		FY 97			FY 98			FY 99	
Cost Elements	CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
TECHNICAL SURVEILLANCE COUNTERMEASI DIGITAL TERRAIN ANALYSIS MAPPING SET	JR		\$000		\$000	\$000 631	Each	\$000	\$000	Each	\$000
TOTAL		1929	425			631					

Ex	khibit P-5a, Budget Procureme	nt History a	and Planning					Date:	Septe	mber 1997
Appropriation / Budget Activity/Serial No:		Weapon Sys			P-1 Line Item	Nomenclatur	·e:			
Procurement, Marine Corps (1109) / Communications and Equipment (4) / 031	Electronic					ITEMS LES	SS THAN \$2 MILLIO	N (INTEL) (	P44524)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
Technical Surveillance										
Countermeasures (TSCM) FY 98	Rome Labs Griffis AFB Rome, NY	C/FFP	SAF/FMBMB AF, Pentagon Wash, DC	Mar-98	Jun-98	1	631000	Yes	No	N/A
Mapping Set/Upgrade of Digital Terrain Mapping System	Virginia Contracting/DIA Boiling AFB Washington, DC	FP	Virginia Contracting/DIA Boiling AFB Washington, DC	Sep-97	Sep-97	1	425000	Yes	No	N/A
REMARKS: Unit cost includes a receiver										

Exhibit P-5A, Procurement History and Planning

							Date:				
	Exhibit	P-40, Budget	Item Justific	ation Sheet					September 1997		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomenclat	ure:	•				
Procurement, Ma	arine Corps (1109) / Communications a	nd Electronic Equipment (	4) / 032				GENERAL PUR	POSE MECHANICA	L TMDE (P44094)		
Program Elements for Code B It	tems:		Code:	Other Related Prog	ram Elements:						
					1		1	1		1	
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost	6.2		3.0	2.2	4.5	4.9	5.2	3.1	1.8	CONTINUING	CONTINUING
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	6.2		3.0	2.2	4.5	4.9	5.2	3.1	1.8	CONTINUING	CONTINUING
Initial Spares											
Total Proc Cost	6.2		3.0	2.2	4.5	4.9	5.2	3.1	1.8	CONTINUING	CONTINUING
Flyaway U/C											
Wpn Sys Proc U/C											

This is a composite line which consists of several general purpose mechanical test equipment items.

Funds are used to buy mechanical test equipment to support the following principal end items:

Motor Transport: Trucks, HMMWV's, Wreckers, Bus's Trailers etc.

Combat Engineers: Bulldozers, Motor Graders, Compactors, Generator Sets, Rock Crushers, Assault Craft, etc.

Ordnance: Tanks, LAV's, AAV's, Self Propelled Howitzers, Rocket launchers etc.

The test equipment is used by mechanics at all levels of maintenance (e.g. from operator to component rebuild) to restore deadlined items to operational condition. Items procured range from individual mechanic's test sets to diesel engine and transmission dynamometers.

Funding sustains modernization and strandardization plans, as well as new equipment identified in support of new principal end items.

In some cases, new requirements will supercede planned requirements. The items bought with these funds are non-developmental, commercial-off-the shelf items (consequently extremely low risk).

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement	, Marine Co	//Serial No: rps (1109) / Comr Equipment (4) / 03			n Nomenclature: LL PURPOSE MEC	CHANICAL TMDE	(P44094)	Weapon System	Туре:	Date: Septe	ember 1997
Weapon System	ID		Electronic	equipment (4) / 0	32	FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DYNAMOMETER, CONFIG A	Α				1031	4	257750						
DYNAMOMETER, CONFIG B	Α				1649	8	206125						
FUEL INJ. PUMP TEST STAND	Α							1000	7	142857	1008	7	144000
HYDRAULIC TEST BENCH	Α							432	4	108000			
CONTACT TEST SET (SPORT)	Α				198	9	22000	300	14	21429	2100	104	20192
INJECTOR TEST & CALIBRATION EQUIP.	Α										280	1	280000
TEST STAND, TRANSMISSION	А										860	1	860000
LOGISTICS SUPPORT TECH MANUALS TRAINING MATERIALS PROVISIONING DATA EQUIPMENT INSTALLATION	Α				145			447			251		
TOTAL					3023			2179			4499		

								Date:		
Exhi	bit P-5a, Budget Procurement	History a	ınd Planning					S	eptember	1997
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communications and Elect Equipment (4) / 032	ronic				(	GENERAL PU	RPOSE MECHANIC	CAL TMDE	(P44094	)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
DYNAMOMETER, DIESEL ENGINE										
FY 97 CONFIG A	POWER TEST, MILWAUKEE WI	FPO	MCSC QUANTICO VA	Feb-97	Oct-97	4	257750	YES	N/A	N/A
FY 97 CONFIG B	POWER TEST, MILWAUKEE WI	FPO	MCSC QUANTICO VA	Feb-97	Oct-97	8	206125	YES	N/A	N/A
FUEL INJ. PUMP TEST STAND										
FY 98	TBD	C/FP	MCSC QUANTICO VA	Feb-98		7	142857	YES	N/A	N/A
FY 99	TBD	C/FP	MCSC QUANTICO VA	Feb-99	Jul-99	7	144000	YES	N/A	N/A
HYDRAULIC TEST BENCH										
FY 98	TBD	C/FP	MCSC QUANTICO VA	Feb-98	Oct-98	4	108000	YES	N/A	N/A
CONTACT TEST SET (SPORT)										
FY 97	MILTOPE, HOPE HULL, AL	FPO	US ARMY HUNTSVILLE AL	May-97	Dec-98	VAR	VAR	YES	N/A	N/A
FY 98	MILTOPE, HOPE HULL, AL	FPO	US ARMY HUNTSVILLE AL	Jan-98	Jul-98	VAR	VAR	YES	N/A	N/A
FY 99	MILTOPE, HOPE HULL, AL	FPO	US ARMY HUNTSVILLE AL	Jan-99	Jul-99	VAR	VAR	YES	N/A	N/A
INJECTOR TEST & CALIBRATION EQUIP.										
FY 99	TBD	C/FP	MCSC QUANTICO VA	Jan-99	Oct-99	104	20192	NO	FY98	
TEST STAND, TRANSMISSION										
FY 99	TBD	C/FP	MCSC QUANTICO VA	Jan-99	Dec-99	1	280000	YES	N/A	N/A
DEMADICO.										

REMARKS:

Exhibit P-20,	Requirer	nents St	udv	Approriation/Budget /	Activity/Serial No:				Date:		
	-		-	Procuremen		9) / Communications a	nd Electronic Equipm	ent (4) / 032		September-97	
P-1 Line Item Nomenclatu	ure (Include DO	DIC for Ammun	ition Items):		Admin Leadtime (after	r Oct 1):			Prod Leadtime:		
			IICAL TMDE (P44094)	_		4	Months			8	Months
Line Descriptions D	Dynamom	eter, Dies	sel Engine		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					12						
Unit Cost					Various						1
Total Cost					2680.0						·
Asset Dynamics											1
Beginning Asset						10	22	22	22	22	22
Deliveries from:		FY 1997	Funding			12					
Deliveries from:		FY 1998	Funding								 [
Deliveries from:		FY 1999	Funding								
Deliveries from S	Subsequent '	Years Funds	1								
Other Gains					10						
Combat Losses											<u> </u>
Training Losses											
Test Losses											1
Other Losses											1
Disposals/Retirer	ments/Attritic	ons									1
End of Year Asse	et Position				10	22	22	22	22	22	22
Inventory Objective	or Current A	uthorized All	owance	22	22	22	22	22	22	22	22
Inventory Obje	ective	Actu	ıal Training	Other tha	n Training	Disp	osals	Vehicles Eligible		Aircraft:	
22		Exp	oenditures	Us	age	(Vehicle	es/Other)	for Replacement	_	TOAI	I
Assets Rqd for		96 thru		96 thru		96 thru				PAA:	·
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	<u> </u>
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:							•	-		Storage	

**Remarks:** Three of the items delivered in FY97 were procured with FY97 NGREA funds.

Exhibit P-20, Requ	iiramants Study	Approriation/Budget	Activity/Serial No:				Date:			
, -		Procureme		9) / Communications a	nd Electronic Equipme	ent (4) / 032		September-97		
P-1 Line Item Nomenclature (Inclu	de DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:			
	PURPOSE MECHANICAL TMDE (P440	94)		4	Months			6	Months	
Line Descriptions Fuel II	nj. Pump Test Stand		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary				7	7	8			<u> </u>	
Unit Cost				142.9	144.0					
Total Cost				1000.0	1008.0				I	
Asset Dynamics										
Beginning Asset Positio	n				3	11	22	22	22	
Deliveries from:	FY 1997 Funding									
Deliveries from:	FY 1998 Funding			3	4					
Deliveries from:	FY 1999 Funding				4	3				
Deliveries from Subsequ	uent Years Funds					8			1	
Other Gains										
Combat Losses									<u> </u>	
Training Losses										
Test Losses									<u> </u>	
Other Losses									<u> </u>	
Disposals/Retirements/	Attritions								I	
End of Year Asset Posit	tion			3	11	22	22	22	22	
Inventory Objective or Curr	ent Authorized Allowance	22	22	22	22	22	22	22	22	
Inventory Objective	Actual Training	Other tha	n Training	Dispo	osals	Vehicles Eligible		Aircraft:		
22	Expenditures	Us	age	(Vehicle	s/Other)	for Replacement		TOAI	I	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	I	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	I	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI		
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv		
Total:						=		Storage		

Remarks: FY00 will complete AO.

Exhibit P-20 Rec	quirements Study	Approriation/Budget	Activity/Serial No:				Date:			
		Procureme		09) / Communications ar	nd Electronic Equip	ment (4) / 032		September-97		
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (at	fter Oct 1):			Prod Leadtime:		•	
	RAL PURPOSE MECHANICAL TMDE (P	44094)		4	Months				Months	
Line Descriptions Hydr	raulic Test Bench		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary				4						
Unit Cost				108.0						
Total Cost				432.0						
Asset Dynamics										
Beginning Asset Posit	tion					4	1	4 4	l.	
Deliveries from:	FY 1997 Funding									
Deliveries from:	FY 1998 Funding					4				
Deliveries from:	FY 1999 Funding									
Deliveries from Subse	equent Years Funds									
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirement	s/Attritions									
End of Year Asset Po	sition					4	1	4 4	l .	
Inventory Objective or Cu	urrent Authorized Allowance	4		4 4		4	1	4 4		
Inventory Objective	e Actual Training	Other that	an Training	Dispo	osals	Vehicles Eligible	Э	Aircraft:		
4	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacemen	nt	TOAI		
Assets Rqd for	96 thru	96 thru		96 thru				PAA:		
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998	1	TAI		
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI		
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv		
Total:								Storage		

Bli No. 483700 Item No. 21 Page 6 of 10 Exhibit P-20, Requirements Study

Exhibit P-20, Req	uirements Study	Approriation/Budget	Activity/Serial No:				Date:		
·		Procureme		9) / Communications a	nd Electronic Equipm	ent (4) / 032		September-97	
P-1 Line Item Nomenclature (Incl	ude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
GENERA	AL PURPOSE MECHANICAL TMDE (P4	44094)		9	Months			7	Months
Line Descriptions Conta	act Test Set (SPORT)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			9	14	104	191	225	156	165
Unit Cost			22.0	21.4	20.1	20.5	20.9	21.4	
Total Cost			198.0	300.0	2100.0	3912.0	4703.0	3338.0	
Asset Dynamics									
Beginning Asset Positi	on			36	36	129	354	579	735
Deliveries from:	FY 1997 Funding				9				
Deliveries from:	FY 1998 Funding				14				
Deliveries from:	FY 1999 Funding				70	34			
Deliveries from Subsec	quent Years Funds					191	225	156	165
Other Gains			36						
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	/Attritions								
End of Year Asset Pos	ition		36	36	129	354	579	735	900
Inventory Objective or Cur	rent Authorized Allowance	900	900	900	900	900	900	900	900
Inventory Objective	Actual Training	Other tha	n Training	Disp	osals	Vehicles Eligible		Aircraft:	
900	Expenditures	Us	age	(Vehicle	s/Other)	for Replacement		TOAI	
Assets Rqd for	96 thru	96 thru	Ī	96 thru		·		PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:		•				-		Storage	

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Exhibit P-20, Requ	uirements Study	Approriation/Budget	Activity/Serial No:				Date:		
<u> </u>	<u> </u>	Procureme	nt, Marine Corps (110	9) / Communications a	nd Electronic Equipme	ent (4) / 032		September-97	
P-1 Line Item Nomenclature (Inclu	ude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	L PURPOSE MECHANICAL TMDE (P44094)			3	Months			9	Months
Line Descriptions Injector	or Test & Calibration Equip.		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					1	1	4	4	
Unit Cost					280.0	286.0	292.0	298.0	I
Total Cost					280.0	286.0	1168.0	1195.0	
Asset Dynamics									
Beginning Asset Position							1	2	<u> </u>
Deliveries from:	FY 1997 Funding								<u> </u>
Deliveries from:	FY 1998 Funding								<u> </u>
Deliveries from:	FY 1999 Funding					1			
Deliveries from Subseq	uent Years Funds						1	4	
Other Gains									
Combat Losses									
Training Losses									<u> </u>
Test Losses									
Other Losses									<u> </u>
Disposals/Retirements/	'Attritions								<u> </u>
End of Year Asset Posi	tion					1	2	6	1
Inventory Objective or Curr	rent Authorized Allowance	10	10	10	10	10	10	10	1
Inventory Objective	Actual Training	Other tha	n Training	Disp	osals	Vehicles Eligible		Aircraft:	1
10	Expenditures	Us	age	(Vehicle	s/Other)	for Replacement	_	TOAI	I
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	<u> </u>
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	<u> </u>
Total:								Storage	<u> </u>

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Exhibit P-20 Rec	quirements Study	Approriation/Budget	Activity/Serial No:			Date:			
		Procureme		09) / Communications a	and Electronic Equipm	ent (4) / 032		September-97	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):	·	Admin Leadtime (at	fter Oct 1):	·		Prod Leadtime:	·	
	RAL PURPOSE MECHANICAL TMDE (P4	4094)		3	Months	-		11	Months
Line Descriptions Test	Stand, Transmission		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					1	1	1 2	2	
Unit Cost					860.0				
Total Cost					860.0				
Asset Dynamics									
Beginning Asset Posit	tion						1	2	
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding					1	1		
Deliveries from Subse	equent Years Funds						1	2	
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Po	sition					1	1 2	2 4	
Inventory Objective or Cu	urrent Authorized Allowance	4		4 4	4	4	4	4	
Inventory Objective	e Actual Training	Other the	an Training	Disp	osals	Vehicles Eligible	Э	Aircraft:	
4	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacemen	nt	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:		·		·	·			Storage	

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Exhibit P-20 Re	quirements Study	Approriation/Budget	Activity/Serial No:				Date:			
		Procureme		09) / Communications a	and Electronic Equip	ment (4) / 032		September-97		
P-1 Line Item Nomenclature (In	nclude DODIC for Ammunition Items):		Admin Leadtime (at	fter Oct 1):			Prod Leadtime:			
	RAL PURPOSE MECHANICAL TMDE (P4	14094)		5	Months			21	Months	
Line Descriptions Too	I Sets, Kits & Chests		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary										
Unit Cost										
Total Cost										
Asset Dynamics										
Beginning Asset Posi	ition					9 9	9	9 9		
Deliveries from:	FY 1997 Funding									
Deliveries from:	FY 1998 Funding									
Deliveries from:	FY 1999 Funding									
Deliveries from Subse	equent Years Funds									
Other Gains				9						
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirement	ts/Attritions									
End of Year Asset Po	osition			9	)	9	9	9 9		
Inventory Objective or Co	urrent Authorized Allowance			9		9	9	9 9		
Inventory Objective	e Actual Training	Other the	an Training	Disp	osals	Vehicles Eligible	Э	Aircraft:		
9	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacemen	nt	TOAI		
Assets Rqd for	96 thru	96 thru		96 thru				PAA:		
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998	1	TAI		
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res		
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI		
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv		
Total:			_	·				Storage		

Bli No. 483700 Item No. 21 Page 10 of 10 Exhibit P-20, Requirements Study

	Exhibit P-4	40, Budget Item	Justific	ation Sheet	i		Date:		September 1997				
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomenclature:								
Procurement, Mari	ine Corps (1109) / Communications and Ele	ectronic Equipment (4) / 033	3		NIGHT VISION EQUIPMENT (P44017)								
Program Elements for Code B In	tems:	Code:		Other Related Prog	ner Related Program Elements:								
	Prior Years	F	Y 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog		
Proc Qty													
Gross Cost	56.9		19.5		11.8	27.7	28.6	29.5	25.8	Cont.	Cont.		
Less PY Adv Proc													
Plus CY Adv Proc													
Net Proc (P-1)	56.9		19.5		11.8	27.7	28.6	29.5	25.8	Cont.	Cont.		
Initial Spares				2.0	0.3					Cont.	Cont.		
Total Proc Cost	56.9		19.5	2.0	12.1	27.7	28.6	29.5	25.8	Cont.	Cont.		
Flyaway U/C													
Wpn Sys Proc U/C													

This is a rollup line for Night Vision Equipment consisting of:

MX 11683 - Night Vision Magnification Device (3X Mag): This is an SL-3 component of the AN/PVS-7B & the AN/PVS-14. The 3X Mag is a lens system which easily fits on the parent system providing 3X magnification to the parent system; it also allows the operator to see targets at range with greater clarity.

MX 1162 - 25mm Gen III Image Intensification Tube (Gen III Tube): The Gen III tube is a drop-in retrofit for the Gen II image intensification tubes found in the AN/PVS-4 & AN/TVS-5 individual and crewserved weapons sights. The tube provides a much higher level of reliability when compared with the present Gen II tube, and substantially improves resolution and therefore range performance of the system in which it is installed. This is not an end item.

AN/PVS-14 - Monocular Night Vision Device (MNVD): The MNVD is a Gen III Image Intensification (I2) device which is similar in performance to the AN/PVS-7B NVG. The MNVD is smaller and lighter than the 7B providing much greater latitude of employment than the NVG. The MNVD can be used as a hand-held pocket scope, carried in the utility uniform pocket, mounted to a head or helmet mount, or mounted to a weapon.

Infrared Laser Pointer (IRLP): The IRLP is a hand-held infrared laser pointer used in conjunction with image intensified night vision devices, such as the AN/PVS-7B and the AN/AVS-6 Night Vision Goggles, to mark ground targets for night vision capable aricraft crew

Exhibit P-40, Budget Item Justification Sheet	September 1997	
Appropriation / Budget Activity/Serial No:  Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 033	P-1 Item Nomenclature: NIGHT VISION EQUIPMENT (P44017)	
MS I/II Nov 97	Non voor Egon ment (14017)	
DT Nov 97 - Apr 98		
OT July 98 - Jan 99		
MS III Jan 99		
This item will undergo limited testing as shown on the schedule above.		
SOFLAM AN/PEQ-1A: The SOFLAM is a lightweight laser designator used for di Night Sight and Tripod.	lirecting smart munitions against high value targets. It is used with the AN/PVS-1	3

Exhibit P-5, Weapon		Appropriation/ B	-	y/Serial No: rps (1109) / Comr	munications and		m Nomenclature: IIGHT VISION EQ		7)	Weapon System	Туре:	Date:	ember 1997
WPN SYST Cost Analysis		Procuremen		Equipment (4) / 0		IN	IION I VISION EQ	UIFIVIENT (P4401				Sept	ember 1997
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
MX 11620 (Gen III Tube) Production & Engineering Fee (P&E)											10693 250		223
SUBTOTAL											10943		
AN/PVS-14 (MNVD) - '97 Award 1	Α				17556	7442	2359						
P&E Support Costs Special Tools					250 262 21								
SUBTOTAL					18089								
Infrared Laser Pointer (IRLP)	В										837	261	320
SUBTOTAL											837		
SOFLAM AN/PEQ-1A Accessories (Night Sights / Tripods) Engineering Support and Training	А				903 398 99	21	43000						
SUBTOTAL					1400								
TOTAL					19489						11780		

F	Exhibit P-5a, Budget Procureme	nt History a	and Planning					Date:	September	1007
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications an		Weapon Syst			P-1 Line Item	Nomenclatur	e: VISION EQUIPME		•	1997
Equipment (4) / 033 WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Iss Date
MX 11620 (Gen III Tube) FY 99	Unknown		USA CECOM	Dec-98	Oct-99	4780	2237	YES	N/A	N/A
AN/PVS-14 (MNVD) - '97 Award 1 FY 97	ITT/ Roanoke, Va	CM-2/FPC	USA CECOM	May-97	Oct-97	7442	2359	YES	N/A	N/A
Infrared Laser Pointer (IRLP) FY 99	Unknown	C/FFP	NSWC CRANE	Jan-99	Oct-99	261	3207	NO	N/A	N/A
Soflam AN/PEQ-1A FY 97	Litton, FI	FPO	NSWC CRANE	Sep-97	Mar-99	21	43000	YES	N/A	N/A

Exhibit P-20, Requirements Study	Approriation/Budge	t Activity/Serial No:				Date:		
•		Procurement, Marine (		nications and Electron	nic Equipment (4) / 03	3	Septen	nber-97
P-1 Line Item Nomenclature (Include DODIC for Ammunition Item	ns):	Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
SPECIAL OPERATION FORCES	S LASER MARKER (SOFLAM)		11	Months		18		Months
Line Descriptions		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		21						
Unit Cost		43.0						
Total Cost		903.0						
Asset Dynamics								
Beginning Asset Position		15	21	21	42	42	42	42
Deliveries from: FY 1997 Fund	ng			21				
Deliveries from: FY 1998 Fund	ng							
Deliveries from: FY 1999 Fund	ng							
Deliveries from Subsequent Years Funds								
Other Gains								
Combat Losses								
Training Losses								
Test Losses								
Other Losses								
Disposals/Retirements/Attritions								
End of Year Asset Position		21	21	42	42	42	42	42
Inventory Objective or Current Authorized Allowand	e							
Inventory Objective Actual Tra	ining Other th	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
42 Expenditu	ires U	sage	(Vehicle	s/Other)	for Replacement		TOAI	
Assets Rqd for 96 thru	96 thru		96 thru				PAA:	
Combat Loads: FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt: FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline: FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other: FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:		•	•		<del>-</del>		Storage	

Remarks: AO of 42 is in staffing and pending approval..

Exhibit P-20, Requ	uiromonte Study	Approriation/Budget	Activity/Serial No:				Date:		
Exilibit F-20, Nequ	direfficits Study		Procurement, Marin	ne Corps /Communicat	ions and Electronic E	quipment / P4401033	•	Septem	ber-97
P-1 Line Item Nomenclature (Inclu	ide DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
AN/PVS	-14 MONOCULAR NIGHT VISION DEV	CE		7	Months			5	Months
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			7442						
Unit Cost			2.0						
Total Cost			17556.0						
Asset Dynamics									
Beginning Asset Position	on				7442	7442	7442	7442	744
Deliveries from:	FY 1997 Funding			7442					
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subseq	uent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/	Attritions								
End of Year Asset Posi	tion			7442	7442	7442	7442	7442	744
Inventory Objective or Curi	rent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
9407	Expenditures	U:	sage	(Vehicle	es/Other)	for Replacement	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru	, 			PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:		-						Storage	

Bli No. 493000 Item No. 22 Page 6 of 10 Exhibit P-20, Requirements Study

Exhibit P-20,	Requirer	nents Sti	ıdv	Approriation/Budget	Activity/Serial No:				Date:		
						ine Corps /Communicat	tions and Electronic Ed	quipment / P4401033	-	Septen	nber-97
P-1 Line Item Nomenclatu	ire (Include DOI	DIC for Ammuni	tion Items):		Admin Leadtime (at	fter Oct 1):			Prod Leadtime:		
	INFRAR	ED LASER POI	NTER (IRLP)			3	Months			9	Months
Line Descriptions					FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary							261				
Unit Cost							3.0				
Total Cost							837.0				
Asset Dynamics											
Beginning Asset	Position								261	261	26
Deliveries from:		FY 1997	Funding								
Deliveries from:		FY 1998	Funding								
Deliveries from:		FY 1999	Funding					261			
Deliveries from S	ubsequent \	ears Funds									
Other Gains											
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retirer	ments/Attrition	ons									
End of Year Asse	et Position							261	261	261	26
Inventory Objective of	or Current A	uthorized All	owance								
Inventory Obje	ective	Actu	al Training	Other tha	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
261		Exp	enditures	Us	age	(Vehicle	es/Other)	for Replacement		TOAI	
Assets Rqd for		96 thru		96 thru		96 thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX	-	FY XXXX				Inactive Inv	
Total:		•	•	•			•	<del>-</del>		Storage	

Bli No. 493000 Item No. 22 Page 7 of 10 Exhibit P-20, Requirements Study

FY 98 / 99 BUDGET PRO	DUC	TION SO	CHED	ULE			P-11	tem IVC	omeno	ciature		NIG	HT VIS	SION E	QUIP	PMEN	Г (Р44	1017)					Date				Septe	mber 1	1997		
				PROC	ACCEP.	BAL					Fis	scal	Year										Fis		Year						L
	М		S	QTY	PRIOR	DUE								Cale	nda	r Yea	ar 96	;	-					С	alen	dar \	<b>′</b> ear	97			Α
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MX 11683 (3X Mag)	1		V				H	V	C	IN	В	K	ĸ	Y	IN	L	G	Р	H	V	U	IN	В	K	K	Y	IN	L	G	Р	K
1003 (3X Way)	1	FY 96	NAC	0000	_	0000	1	H				_																			
	1	FY 96	MC	9268	0	9268						Α							300	350	400	650	750	825	825	825	825	825	825	825	1043
	1	FY 96	MC	1159	0	1159						Α										50	50	65	100	100	100	100	150	150	294
	2	FY 96	МС	521	0	521							Α												50	50	50	50	50	50	224
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MV 44000 (O					-		_	Ш																<u> </u>		<u> </u>					
MX 11620 (Gen III Tube) - '96 Award																															
	2	FY 96	MC	114	0	114										Α															114
	3	FY 99	МС	4780	0	4780																									4780
	Ť	1 1 00	WIG	4700		4700	1																								4700
AAL/D\/C 4.4 (MAL\/D\ 107.A	-						1																								
AN/PVS-14 (MNVD) - '97 Award 1	1						<b>!</b>	Ш																_							
	4	FY 97	MC	7442	0	7442																				Α					7442
							1																								
Infrared Laser Pointer (IRLP)	1						1																								
ililated Laset Fullitet (INLF)	_	EV 00	140	001	_	004	-																-		-						
	3	FY 99	MC	261	0	261	<b>!</b> —	Ш						$\sqcup$									1								261
SOFLAM AN/PEQ-1A	5	FY 97	MC	21	0	21												L		L										Α	21
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SOFLAM AN/PEQ-1A	5	FY 97	MC	21	0	21																		21							
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FY 98 / 99 BUDGET PRO	DUC	TION SC	HED	ULE			P-1 I	em No	omeno	ature	:	NIGI	HT VIS	SION E	QUIP	MENT	Г (Р44	017)					Date	i:			Septe	ember	1997		
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MX 11620 (Gen III Tube)																															
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AN/PVS-14 (MNVD) - '97 Award 1																							t	t	1	+	+	1	+	H	t
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Infrared Laser Pointer (IRLP)																															
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	Exhibit	P-40, Budget	ltem Justifi	cation Shee	:				September 1997		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mai	rine Corps (1109) / Communications an	d Electronic Equipment	(4) / 035				COMMA	ND POST SYSTEMS	S (P44404)		
Program Elements for Code B	Items:		Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			10.1	13.9	7.3	19.9	19.9	13.9	2.9		87.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			10.1	13.9	7.3	19.9	19.9	13.9	2.9		87.9
Initial Spares			1.4	0.0	0.3	0.9	0.9	0.7			4.2
Total Proc Cost			11.5	13.9	7.6	20.8	20.8	14.6	2.9		92.1
Flyaway U/C											
Wpn Sys Proc U/C											

## THIS IS A ROLLED LINE CONSISTING OF THE FOLLOWING:

TCO Tactical Combat Operations

GCCS Global Command and Control System
AFATDS Advance Field Artillery Tactical Data System

		FY97	FY98	FY99	FY00	FY01	FY02	FY03
TCO	FY97 - FY03	6.7	9.6	1.7	1.1	.9	.7	.6
GCCS	FY97 - FY03	3.4	4.3	2.0	2.0	2.2	2.2	2.3
AFATDS	FY99 - FY02	0	0	3.6	16.8	16.8	11.0	0
TOTAL		10.1	13.9	7.3	19.9	19.9	13.9	2.9

## Notes:

TCO FY 96 Funded in BLI 461300 (TCO); FY 95 & Prior Funded in BLI 461000 (MTACCS)

GCCS FY 96 & Prior Funded in 494200

AFATDS FY96 & Prior Funded in BLI 461100

Exhibit P-5, Weapon		Appropriation/ Bu					em Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procuremen	t, Marine Co Electronic I	rps (1109) / Comr Equipment (4) / 0	munications and 35	С	OMMAND POST	SYSTEMS (P4440	4)			Septe	ember 1997
Weapon System	ID			• • • • • • • • • • • • • • • • • • • •		FY 97			FY 98		ĺ	FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCo
					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
ACTICAL COMBAT OPERATIONS ADPE (GCCS/WWMCCS) AFATDS					6673 3432			9629 4294			1613 2012 3643		
OTAL					10105			13923			7268		
Active Total Reserve Total					8437 1668			11515 2408			<b>7268</b> 0		

	Exhibit P	-40, Budget Item Jus	ification She	et		Date:		September 1997		
Appropriation / Budget Activity/S	Serial No:			P-1 Item Nomencla	iture:					
Procurement, Mari	ine Corps (1109) / Communications and E	Electronic Equipment (4) / 035				ADPE (	GCCS/WWMCCS) (	A44403)		
Program Elements for Code B I	tems:	Code:	Other Related Pr	gram Elements:						
020	6313M / C2277	В								
	Prior Years	FY 199	7 FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty										
Gross Cost		3.4	4.3	2.0	2.0	2.2	2.2	2.3		18.4
Less PY Adv Proc										<u> </u>
Plus CY Adv Proc										<u> </u>
Net Proc (P-1)		3.4	4.3	2.0	2.0	2.2	2.2	2.3		18.4
Initial Spares		0.5								0.5
Total Proc Cost		3.9	4.3	2.0	2.0	2.2	2.2	2.3		18.9
Flyaway U/C										<u> </u>
Wpn Sys Proc U/C										

Global Command and Control System (GCCS). Consists of command and control subsystems which enable the National Command Authorities (NCA), the Joint Staff, and commanders at appropriate levels to direct and control the operation of U.S. military forces. These funds provide for the GCCS hardware (servers, workstations, printers and communications support equipment (hubs, routers, net encryption devices, modems, and cabling) to support Marine Corps participation in the GCCS as directed by the Secretary of the Navy and Chairman, Joint Staff.

FY 96 & Prior Funded in BLI 494200

MS II-Sep 96 MS III-Apr 97

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement	, Marine Co	//Serial No: rps (1109) / Comr Equipment (4) / 03	nunications and		em Nomenclature: ADPE (GCCS/WV	NMCCS) (A44403	)	Weapon System	Туре:	Date: Sept	ember 1997
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
							\$			\$			\$
GCCS					\$000 3432	Each		\$000 4294	Each		\$000 2012	Each	
TOTAL					3432			4294			2012		

	Exhibit P-5a, Budget Procureme	nt History a	and Planning					Date:		1007
Appropriation / Budget Activity/Serial No:	Exhibit i da, Baaget i rodareme	Weapon Sys			P-1 Line Item	Nomenclature	9:	3	September	1997
Procurement, Marine Corps (1109) / Communicati	ons and Electronic					ADPE	(GCCS/WWMCC	S) (A4440	3)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	Date
GCCS										
FY97	VARIOUS	C/FFP	VARIOUS	Jan-97	May-97	VAR	VAR	NO	NO	N/A
FY98	VARIOUS	C/FPP	VARIOUS	Jan-98	May-98	VAR	VAR		NO	N/A
FY99	VARIOUS		VARIOUS	Jan-99	May-99	VAR	VAR		NO	N/A
					<u> </u>			L		Ь
REMARKS:										<u> </u>

	E 1275	40 D. Leat Rev. Leater	() 01 (			Date:				
	Exhibit P	-40, Budget Item Justific	cation Sheet					September 1997		
Appropriation / Budget Activity/S	Serial No:			P-1 Item Nomenclat	ure:					
Procurement, Ma	arine Corps (1109) / Communications and E	lectronic Equipment (4) / 035				TACTICAL (	COMBAT OPERATIO	NS (A44412)		
Program Elements for Code B I	Items:	Code:	Other Related Prog	ram Elements:						
		А								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty		154	180	9						343
Gross Cost		6.7	9.6	1.7	1.1	0.9	0.7	0.6		21.3
Less PY Adv Proc										<u> </u>
Plus CY Adv Proc										<u> </u>
Net Proc (P-1)		6.7	9.6	1.6	1.1	0.9	0.7	0.7		21.3
Initial Spares		0.9		0.3						1.2
Total Proc Cost		7.6	9.6	1.9	1.1	0.9	0.7	0.7		22.5
Flyaway U/C										
Wpn Sys Proc U/C		0.043	0.053	0.179						

This procurement covers the microcomputer needs of the TCO program. This program provides digital mapping, messaging, overlay, and related capabilities to Marine commanders and their staffs at the battalion level and above. TCO enables Marines to share a common picture of the battlefield throughout the Marine Air Ground Task Force (MAGTF), thereby allowing commanders to make more timely and effective decisions. This system uses the common core software of the Joint Maritime Command Information System, with plans to migrate to the DII COE FY98, and will allow Marines to share their views of the battlespace not only with each other, but their Navy and Coast Guard counterparts as well.

FY96 Funded in BLI 461300 (TCO) FY95 and prior funded in BLI 461000 (MTACCS)

Exhibit P-5, Weapon WPN SYST Cost Analysis		, Marine Co	r/Serial No: rps (1109) / Comr Equipment (4) / 0			em Nomenclature: TICAL COMBAT C	PERATIONS (A44	1412)	Weapon System	Туре:	Date: Sept	ember 1997
Weapon System	ID				FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Hardware Costs TAC IV Computer TAC IV Expansion Box TCIM (Army Modem) Transit Cases SLIM	A A A A			5790 505 95	154 60 154	37600 8410 617	7147 1026 697 157 272	180 68 81 248 5	15088 8605 633	79 12	9 9 18	8778
Support Costs				283			330			333		
TOTAL				6673			9629			1613		
Active Total Reserve Total				5005 1668						1613		

	Exhibit P-5a, Budget Procuremer	nt History s	and Planning					Date:		1007
Appropriation / Budget Activity/Serial No:	Exhibit F-3a, Budget Frocuremen	Weapon Syst			P-1 Line Item	Nomenclature	٥٠	S	eptember	1997
Procurement, Marine Corps (1109) / Communicat	tions and Electronic	Wedpoil Cycl	от турс.		r-i Line item		. COMBAT OPERA	ΓΙΟΝS (Α	14412)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
Hardware Costs										
TAC IV Computer										
FY97	HEWLETT PACKARD, CHESAPEAKE, VA.	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-97	Apr-97	154	37600	YES	NO	NA
FY98	UNKNOWN	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-98	Apr-98	180	39706	YES	NO	NA
FY99	UNKNOWN	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-99	Apr-99	9	48778	YES	NO	NA
TAC IV Expansion Box										
FY98	UNKNOWN	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-98	Apr-98	68	15088	YES	NO	NA
FY99	UNKNOWN	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Jan-99	Apr-99	9	15444	YES	NO	NA
TCIM (Army Modem)										
FY97	SAIC, SAN DIEGO, CA.	C/FFP	US ARMY CECOM	Jan-97	Apr-97	60	8410	YES	NO	NA
FY98	SAIC, SAN DIEGO, CA.	C/FFP	US ARMY CECOM	Jan-98	Apr-98	81	8605	YES	NO	NA
FY99	SAIC, SAN DIEGO, CA.	C/FFP	US ARMY CECOM	Jan-99	Apr-99	9	8778	YES	NO	NA
Transit Cases										
FY97	PACKAGING STRATEGIES, BALTIMORE, MD.	C/FFP	NISE EAST	Jan-97	Apr-97	154	617	YES	NO	NA
FY98	UNKNOWN	C/FFP	NISE EAST	Jan-98	Apr-98	248	631	YES	NO	NA
FY99	UNKNOWN	C/FFP	NISE EAST	Jan-99	Apr-99	18	670	YES	NO	NA
SLIM										
FY98	UNKNOWN	C/FFP	NISE EAST	Jan-98	Apr-98	5	54000	NO	NO	NA
FY99	UNKNOWN	C/FFP	NISE EAST	Jan-99	Apr-99	11	55545	NO	NO	NA

REMARKS: Differing configurations are tailored to each organization. Different configurations provide different capabilities, and hence vary in cost and quantity.

Exhibit P-20	Require	ments St	udv	Approriation/Budget /	Activity/Serial No:				Date:		
	<u> </u>		-	Procuremen		9) / Communications a	nd Electronic Equipme	ent (4) / 035		September 1997	
P-1 Line Item Nomencla	ature (Include DC	DIC for Ammun	ition Items):		Admin Leadtime (after	r Oct 1):			Prod Leadtime:		
	TACTICAL	COMBAT OPE	RATIONS (TCO)			3	Months			3	Months
Line Descriptions					FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					154	180	9	0	C	0	
Unit Cost					43.3	53.5	179.2				
Total Cost					6673.0	9629.0	1613.0				
Asset Dynamics											
Beginning Asse	et Position				334	428	594				
Deliveries from	:	FY 1997	Funding		94	60					
Deliveries from	:	FY 1998	Funding			106	74				
Deliveries from		FY 1999	Funding				9				
Deliveries from	Subsequent	Years Funds	3								
Other Gains											
Combat Losses	5										
Training Losse	s										
Test Losses											
Other Losses											
Disposals/Retir	ements/Attrit	ions									
End of Year As	set Position				428	594	677				
Inventory Objective	e or Current A	Authorized Al	lowance								
Inventory Ob	ojective	Actu	ıal Training	Other tha	n Training	Dispo	osals	Vehicles Eligible		Aircraft:	
753	•	Exp	penditures	Us	age	(Vehicle	s/Other)	for Replacement		TOAI	
Assets Rqd for		96 thru		96 thru		96 thru	•			PAA:	
Combat Loads:	660	FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	0	FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:	93	FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:	753							-		Storage	

Bli No. 463100 Item No. 23 Page 9 of 19 Exhibit P-20, Requirements Study

FY 1998 / FY 1999 BUDGET F	RO	DUCTIO	N SCI	HEDUL	E		P-1 II	em No	mend	ciature	TA	CTIC	AL CO	MBAT	OPE	RATIC	ONS (A	44441	2)				Date				Septe	mber 1	1997		
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COST ELEMENTS	K		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
TCO System	1	97	MC	120	0	120																Α			10	10	10	10	10	10	60
" Reserves*	1	97	MCR	34	0	34																Α			6	6	6	6	6	4	
II .	1	98	MC	146	0	146																									146
" Reserves*	1	98	MCR	34	0	34																									34
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	Exhib	it P-40, Budget	Item Justifi	cation Shee	t		Date:		September 1997		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mai	rine Corps (1109) / Communications	s and Electronic Equipment	(4) / 035					AFATDS (A44006)			
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:						
			А								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty					51	242	242	142			677
Gross Cost					3.6	16.8	16.8	11.0			48.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)					3.6	16.8	16.8	11.0			48.2
Initial Spares						0.9	0.9	0.7			2.5
Total Proc Cost					3.6	17.7	17.7	11.7			50.7
Flyaway U/C											
Wpn Sys Proc U/C					0.071	0.069	0.069	0.078			

Advanced Field Artillery Tactical Data System (AFATDS) will provide digital fire suport Command and Control (C2) automation to Marine Air Ground Task Force (MAGTF) Fire Support Coordination Centers, Fire Direction Centers, and Supporting Arms Coordination Centers (afloat). This line procures the hardware only. A hardware suite will consist of ruggedized general purpose computers, tactical modems, printers, displays, electrical distribution units and integration rack/shelter kits. Initial fielding will include Marine Corps Fire Support Command and Control System, similar to the Army's Initial Fire Support Automation System, to provide an initial capability. The system will work with existing and planned tactical communication equipment. The hardware suite is changing in FY-99 in order to support the system migration to the DoD Common Operating Environment and run the more complex AFATDS software. Initial FY99 procurement will replace the fielded IFSAS systems.

FY 96 & Prior Funded in BLI 461100

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procuremen	t, Marine Co	y/Serial No: rps (1109) / Comr Equipment (4) / 0	munications and	P-1 Line Ite	em Nomenclature: AFATDS	(A44006)	Weapon System	Type:	Date: Septe	ember 1997
Weapon System	ID										FY 97	
Cost Elements	CD									TotalCost	Qty	UnitCost
										\$000	Each	\$
AFATDS												
Data System												
SUPPORT COSTS												
TRAVEL PROGRAM MANAGEMENT ENGR SUPPORT TRAINING INTEGRATED LOGISTIC SUPPORT												
TOTAL												

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement,	Marine Corp		ns and Electronic	P-1 Line Ite	em Nomenclature: AFA	TDS		Weapon System	Туре:	Date: Sept	ember 1997
Weapon System	ID		FY98			FY99			FY00			FY01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AFATDS					2917	51	57196	14147	242	58459	14458	242	59744
Data System													
SUPPORT COSTS													
TRAVEL PROGRAM MANAGEMENT ENGR SUPPORT TRAINING INTEGRATED LOGISTIC SUPPORT ECP's					120 191 191 120 104			318 583 584 451 716			279 488 512 395 452 200		
TOTAL Active Reserves					3643			16799			<b>16784</b> <b>(0)</b> (16784)		

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement	Marine Co	r/Serial No: rps (1109) / Comn Equipment (4) / 03	nunications and	P-1 Line Ite	em Nomenclature AFATDS	(A44006)		Weapon System	Type:	Date: Sept	ember 1997
Weapon System	ID		FY02	1(-),		FY03							
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
AFATDS		8670	142	61056									
Data System													
SUPPORT COSTS													
TRAVEL PROGRAM MANAGEMENT ENGR SUPPORT TRAINING INTEGRATED LOGISTIC SUPPORT ECP's		188 422 446 282 408 600											
TOTAL		11016											

	Exhibit P-5a, Budget Procureme	nt History a	and Planning					Date:	September	r 1007
Appropriation / Budget Activity/Serial No:		Weapon Sys			P-1 Line Item	Nomenclature	e:		eptember	1 1991
Procurement, Marine Corps (1109) / Communic	ations and Electronic						AFATDS (A440	06)		
VBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Is
riscal Years		Method and Type			Delivery	Each	\$	Avail Now?	Revsn Avail	Date
AFATDS										
FY99	US Army, CECOM	C/FFP	US Army CECOM	Jan-99	Jul-99	51	57196	YES	NO	N/A
FY00	TBD	TBD	TBD	Jan-00	Jul-00	242	58459		NO	N/A
FY01	TBD	TBD	TBD	Jan-01	Jul-01	242			NO	N/A
FY02	TBD	TBD	TBD	Jan-02	Jul-02	142	61056		NO	N/A
102	188	100		0411 02	001 02	172	01030	1 120	110	14//
REMARKS:										
REMARKS:										

Exhibit P-20, Requ	uirements Study	Approriation/Budge	t Activity/Serial No:	_			Date:		
		Procurem		09) / Communications a	and Electronic Equipm	ent (4) / 035		September 1997	
P-1 Line Item Nomenclature (Inclu	ude DODIC for Ammunition Items):		Admin Leadtime (a	fter Oct 1):			Prod Leadtime:		
	AFATDS			3	8 Months			6	Months
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					51	242	242	142	
Unit Cost					71.4	69.4	69.4	77.6	
Total Cost					3643.0	16799.0	16784.0	11016.0	
Asset Dynamics									
Beginning Asset Position	on					51	293	535	67
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding				51				
Deliveries from Subseq	uent Years Funds					242	242	142	
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/	/Attritions								
End of Year Asset Posi	ition				51	293	535	677	67
Inventory Objective or Curr	rent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
677	Expenditures	U	lsage	(Vehicle	es/Other)	for Replacement	:	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	

FY 98 / 99 BUDGET PRO	DUC	CTION SO	CHED	ULE			P-1 II	em No	menc	ciature:			,	AFATE	OS (A4	44006	5)						Date	e:			Septe	mber	1997		
				PROC	ACCEP.	BAL					Fis	cal `	Year			.,									al Y						L
COST ELEMENTS	M F R	FY	S E R	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	0 C	N O	D E C	J A	F E	M A	A P	M A Y	J	r Yea	A U	S E P	O C T	N O V		J A		M A	A P	M A Y	Year J U	J U	A U	S E P	A T E R
AFATDS	1	99	MC	51	0	51	Т	V	C	N A	В	R	R	Y	N	51	G	Р	Ľ	V	С	N	В	R	R	Y	N	_	G	Р	K
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R NAME / LOCATION		MIN.	1	-8-5	MAX.	D +	Nun		INITIA	AL.	I		Pri	ior 1 O	oct.	Aft	ter 1 C	oct.	Aft	er 1 (	Jct.	A	fter 1	Oct.			ITEMS				
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	Exhibit	P-40, Budget	Item Justific	cation Sheet	<u>!</u>		Date:		September 1997		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:	•				
Procurement, Mari	ine Corps (1109) / Communications	and Electronic Equipment	(4) / 036				MANEU	VER C2 SYSTEMS	(P44401)		
Program Elements for Code B I	tems:		Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			6.7	8.0	19.7	27.5	20.4	6.1	9.9		98.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			6.7	8.0	19.7	27.5	20.4	6.1	9.9		98.4
Initial Spares			7.2		2.3	2.7	2.7	2.8	0.5		18.3
Total Proc Cost			14.0	8.0	22.0	30.2	23.1	8.9	10.5		116.7
Flyaway U/C											
Wpn Sys Proc U/C											•

This is a rolled line consisting of the following:

		FY97	FY98	FY99	FY00	FY01	FY02	FY03
JTIDS	FY97 - FY03	1.2	7.4	6.7	7.2	8.1	1.0	1.1
DACT	FY97 - FY03	5.6	.6	13.0	20.4	12.3	5.1	8.8

Maneuver C2 is the executive layer of decision support that pulls and fuses information from the functional areas. It provides an integrated representation of the battlespace or a specific area of concern. The systems included in this budget line report unit status and location to the Tactical Combat Operations (TCO) and Advanced Tactical Air Command Control (ATACC). They also disseminate maneuver information throughout the battlespace.

JTIDS - JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM DACT - DATA AUTOMATED COMMUNICATIONS TERMINAL

Exhibit P-5, Weapon WPN SYST Cost Analysis		, Marine Co	//Serial No: rps (1109) / Comr Equipment (4) / 03			m Nomenclature: MANEUVER C2 S	YSTEMS (P44401	)	Weapon System	Туре:	Date: Septe	ember 1997
Weapon System	ID				FY 97			FY 98			FY 99	
Cost Elements				TotalCost		UnitCost	TotalCost		UnitCost	TotalCost		UnitCost
				\$000		\$000	\$000		\$000			\$000
JTIDS DACT	A B			TotalCost \$000 1165 5568	Qty Each	UnitCost \$000	TotalCost \$000 7377 620	Qty Each	UnitCost \$OOO	TotalCost \$OOO 6675 12994	Qty Each	UnitCost \$000
TOTAL				6733			7997			19669		

	Evhibit D	40 Budget Item Justifi	aatian Chaa			Date:				
	Exhibit P	-40, Budget Item Justifi	cation Shee					September 1997		
Appropriation / Budget Activity/	Serial No:			P-1 Item Nomencla	ture:					
Procurement, Ma	arine Corps (1109) / Communications and I	Electronic Equipment (4) / 036					DACT (A44405)			
Program Elements for Code B	Items:	Code:	Other Related Prog	ram Elements:						
029	06313M / C2271	В								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty		250		902	1415	760	294	445		4066
Gross Cost		5.6	0.6	13.0	20.4	12.3	5.1	8.9		65.8
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)		5.6	0.6	13.0	20.4	12.3	5.1	8.9		65.8
Initial Spares				0.0	0.6	0.6	0.7	0.5		2.5
Total Proc Cost		5.6	0.6	13.0	21.0	12.9	5.8	9.4		68.3
Flyaway U/C										
Wpn Sys Proc U/C		0.022		0.014	0.014	0.016	0.017	0.020		

The Data Automated Communications Terminal (DACT) will extend situational awareness echelons below the battalion level within the Marine Corps. The DACT will receive, store, retrieve, create, modify, transmit, and display map overlays, operational messages/reports, and position information via tactical radios, networks, and/or wire lines. A phased approach for fielding the full functionality of the system will be used consisting of software upgrades and enhancements to allow interoperability with other C4I systems.

DT-Jan 98 for System DT-Mar 98 for Hardware IOT&E-Apr 98 MS I/II-Nov 95 MS III-Jun 98 Test Results-None to date

Exhibit P-5, Weapon WPN SYST Cost Analysis		Marine Co	y/Serial No: rps (1109) / Comr Equipment (4) / 0		P-1 Line Ite	m Nomenclature: DACT (A	A44405)		Weapon System	Type:	Date: Septe	ember 1997
Weapon System	ID		- 4		FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DACT (LRIP Contract) DACT (Production Contract)	В			972 2400	50 200	19440 12000				12224	902	1355
Support Costs *				2096			500			630		
Factory Training				100			120			140		
*Includes one time costs for contract options to purchase such things as technical data, protocol implementation, device drivers, etc.												
TOTAL Active Component Reserve Component				<b>5568</b> (5568) (0)			<b>620</b> (620) (0)			<b>12994</b> (9894) (3100)		

								Date:		
	Exhibit P-5a, Budget Procurement	nt History a	and Planning					S	September	r 1997
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communications Equipment (4) / 036	s and Electronic						DACT (A44405	5)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
DACT										
FY 97	Hughes, Indianapolis, IN	C/TM	NAVAIR, Pax River, MD	Jul-97	Sep-97	50	19440	yes	N/A	Apr-97
FY 97	EPS, Tinton Falls, NJ	C/FP	Marcorsyscom, Quantico	Aug-97	Jan-98	200	12000	yes	N/A	May-97
FY 99	EPS, Tinton Falls, NJ	C/FP	Marcorsyscom, Quantico	Dec-98	Feb-99	902	13552	yes	N/A	May-97

REMARKS:

Contract with Hughes is a NAVAIR contract. NAVAIR is located in Patuxent River, MD. MARCORSYSCOM, PM Contracts has an authorized contracting officer for this contract.

MCSC contract is for the Ruggedized Handheld Computer (RHC), the hardware platform for the DACT program. The RHC will be the standard palmtop computer for the Marine Corps, therefore other programs may be using this contract.

Exhibit P-20	Require	ments St	udv	Approriation/Budget	Activity/Serial No:				Date:		
	-		-	Procureme	ent, Marine Corps (110	•	nd Electronic Equipme	ent (4) / 036		September 1997	
P-1 Line Item Nomencla	ture (Include DO	ODIC for Ammu	nition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	MANEL	JVER C2 SYST	EMS (A44405)			10	Months			2	Months
Line Descriptions:	DACT				FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					250		902	1415	760	294	445
Unit Cost					22.3		14.4	14.4	16.2	17.3	19.9
Total Cost					5568.0	620.0	12994.0	20351.0	12332.0	5095.0	8861.0
Asset Dynamics											
Beginning Asse	t Position					6	150	850	2095	3071	3525
Deliveries from:		FY 1997	Funding		6	144	100				
Deliveries from:		FY 1998	Funding								
Deliveries from:		FY 1999	Funding				600	302			
Deliveries from	Subsequent	Years Fund	S					943	976	454	541
Other Gains											
Combat Losses	1										
Training Losses	3										
Test Losses											
Other Losses											
Disposals/Retire	ements/Attrit	tions									
End of Year Ass	set Position				6	150	850	2095	3071	3525	4066
Inventory Objective	or Current A	Authorized A	llowance								
Inventory Ob	jective	Act	ual Training	Other the	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
	4066	Ex	penditures	Us	sage	(Vehicle	es/Other)	for Replacement		TOAI	
Assets Rqd for	4066	96 thru		96 thru		96 thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:	4066									Storage	

Bli No. 463200 Item No. 24 Page 6 of 18 Exhibit P-20, Requirements Study

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	2	FY01	MC	760	504	256	64	64	64	64																			Ш		
	2	FY02	MC	294	0	294			Α		25	25	25	25	25	25	24	24	24	24	24	24							Ш		
	2	FY03	MC	445	0	445															Α		55	55	55	56	56	56	56	56	
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	Exhibit P-	40, Budget Item Justifi	cation Shee	t		Date:		September 1997		
Appropriation / Budget Activity/S	Serial No:			P-1 Item Nomencla	ture:					
Procurement, Mar	rine Corps (1109) / Communications and El	ectronic Equipment (4) / 036					JTIDS (A44169)			
Program Elements for Code B I	Items:	Code:	Other Related Pro	gram Elements:						
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty		1	6	6						13
Gross Cost		1.2	7.4	6.7	7.2	8.1	1.0	1.1		32.6
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)		1.2	7.4	6.7	7.2	8.1	1.0	1.1		32.6
Initial Spares		7.2		2.3	2.1	2.1	2.1			15.8
Total Proc Cost		8.4	7.4	9.0	9.3	10.2	3.1	1.1		48.4
Flyaway U/C										
Wpn Sys Proc U/C		1.200	1.230	1.113						

THE JTIDS TERMINAL PROVIDES A HIGH-CAPACITY, JAM RESISTANT, SECURE, DIGITAL COMMUNICATIONS CAPABILITY FOR THE TACTICAL COMMAND AND CONTROL (C2) PLATFORMS.

THIS PROJECT PROCURES JTIDS CLASS 2/2H TERMINALS FOR THE FOLLOWING USMC HOST PLATFORMS: TACTICAL AIR OPERATIONS MODULE (TAOM), ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC), AND AIR DEFENSE COMMUNICATIONS PLATFORM (ADCP). THIS PROJECT ALSO PROCURES HARDWARE (INCLUDING GOVERNMENT FURNISHED PROPERTY (GFP)) REQUIRED TO INTEGRATE THE JTIDS CAPABILITY INTO THE TAOM AND THE ATACC.

THIS ITEM IS CODE A

PRIOR TO FY 1997 THIS PROGRAM IS BUDGETED IN BLI 421300.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procuremen	t, Marine Co	y/Serial No: rps (1109) / Comr Equipment (4) / 0		P-1 Line Ite	em Nomenclature: JTIDS (/	A44169)		Weapon System	Туре:	Date: Sept	ember 1997
Weapon System	ID		Liooti oillo i	_qa.po ( 1) / 0		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
JTIDS Terminals & High Power Amplifier Group (HPAG)					625	1	624526						
Contractor Support					340			400			200		
JTIDS Support Equipment					190			450			175		
TAD					10			25			25		
AN/TYQ-JTIDS								6275	6	1045833	6275	6	104583
MCCTSSA Support								227					
TOTAL					1165			7377			6675		
ACTIVE RESERVES					1165 (0)			6331 (1046)			6675 (0)		

WPN SYST Cost Analysis		Procurement, I	Marine Corp	//Serial No: os /Communication nent / P4440036	ns and Electronic		em Nomenclature: JTIDS	(44169)		Weapon System	.,,,,	Date: Sept	ember 1997
Weapon System	ID		FY 00			FY 01			FY 02			FY 03	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AC2S JTIDS INTEGRATION		4200			4700			539			500		
EC IMPLEMENTATION		1040			1000								
ENTRAL SOFTWARE SUPPORT CTIVITY/INTERMEDIATE DFTWARE SUPPORT ACTIVITY		1000			1250								
JPPORT COSTS		411			530			489			562		
ERMINAL ANCILLARIES		500			600								
DTAL		7151			8080			1028			1062		

	Exhibit P-5a, Budget Procureme	nt History a	and Planning					Date:	September	1007
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclatur	e:	3	ертептрет	1997
Procurement, Marine Corps (1109) / Communications a	and Electronic						JTIDS (A44169	9)		
/BS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu
iscal Years		and Type			Delivery	Each	\$	Now?	Avail	Date
TIDS High Power Amplifier										
Y 97	Hanscom AFB, Boston, MA	MIPR	MARCORSYSCOM	Jan-97	Sep-97	1	624526	YES	NO	N/A
N/TYQ JTIDS										
Y 98				Dec-97	Feb-98	6	1045833	YES	NO	N/A
Y 99				Oct-98	Nov-99	6	1045833	YES	NO	N/A
REMARKS:	l									
KEIMARAS.										

Exhibit P-20 Rec	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
	<u> </u>	Procure	ement, Marine Corps /C		ectronic Equipment /	P4440036		September 1997	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	r Oct 1):			Prod Leadtime:		
	JTIDS			3	Months			8	Months
Line Descriptions			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			1	6	6				
Unit Cost			1165.0	1229.5	1112.5				
Total Cost			1165.0	7377.0	6675.0				
Asset Dynamics									
Beginning Asset Posit	tion			1	7	7	'		
Deliveries from:	FY 1997 Funding		1						
Deliveries from:	FY 1998 Funding			6					
Deliveries from:	FY 1999 Funding					6	6		
Deliveries from Subse	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition		1	7	7	13	3		
nventory Objective or Cu	rrent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Dispo	osals	Vehicles Eligible	)	Aircraft:	
21	Expenditures	U	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:		•			•	_		Storage	

FY 98 / 99 BUDGET PROD	UC	TION SC	CHED	ULE			P-1 II	em No	menc	ciature				JTIDS	S (A44	4169)							Date	9.			Septe	mber	1997		
				PROC	ACCEP.	BAL					Fis	cal `	Year	96									Fi	scal	Yea	r 97					L
	М		S	QTY	PRIOR	DUE								Cale	ndaı	r Yea	ar 96	5						С	alen	ıdar	Year	97			Α
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AN/TYQ-JTIDS		FY99	MC	6	0	6																									6
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AN/TYQ-JTIDS	2	FY 98	MC	6																				-	1			1			
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AN/TYQ-JTIDS	2	FY 99	MC	6	0	6		2	2	2													-		1	_		-			
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	Exhib	it P-40, Budget	Item Justific	cation Sheet	t				September 1997		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mar	rine Corps (1109) / Communication	s and Electronic Equipmen	t (4) / 037				RA	DIO SYSTEMS (P44	445)		
Program Elements for Code B I	Items:		Code:	Other Related Prog	ram Elements:						
26	6313M / C2275										
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			42.8	26.9	63.1	43.2	29.5	13.5	14.8		233.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			42.8	26.9	63.1	43.2	29.5	13.5	14.8		233.8
Initial Spares			4.0	3.2	1.6	3.6	0.6	0.9			14.0
Total Proc Cost			46.8	30.2	64.7	46.8	30.1	14.4	14.8		247.8
Flyaway U/C											
Wpn Sys Proc U/C											

This is a roll-up line which contains the following programs:

AN/PSC-5 ENHANCED MANPACK RADIO--FY96 Procurement found in BLI 402700, Manpack Radios & Equipment.

SINCGARS RADIO--FY96 Procurement in BLI 451000, SINCGARS.

GROUND MOBILE FORCES (GMF)

GLOBAL BROADCAST SERVICE (GBS) TERMINAL

SECURE MOBILE ANTI-JAM RELIABLE TACTICAL TERMINAL (SMART-T)

GENERAL PURPOSE RADIO REMOTE (GPRR)

STANDARD JOINT TASK FORCE HEADQUARTERS (SJTF HQ)

ENHANCE POSITIONING LOCATOR REPORTING SYSTEM (EPLRS)

	FY97	FY98	FY99	FY00	FY01	FY02	FY03
AN/PSC5	148	4,596	0	0	0	0	0
SINCGARS	40,307	16,907	8,943	5,194	0	0	0
GMF	0	0	8,452	27,318	26,898	0	0
GBS	0	0	0	7,000	100	0	0
SMART-T	0	0	18,100	670	0	0	0
GPRR	0	0	0	0	0	13,525	14,773
STF HQ	2,337	5440	3,000	0	0	0	0
EPLRS	0	0	24,600	3,000	2,500	0	0

Exhibit P-5, Weapon		Appropriation/ Budget Activity			P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037			RADIO SYSTEMS (P44445)						September 1997	
Weapon System				FY 97 F			FY 98	FY 98			FY 99	
Cost Elements	ID CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCo
				\$000	Each	\$O	\$000	Each	\$O	\$000	Each	\$O
SINCGARS GROUND MOBILE FORCES GMART-T AN/PSC-5 ENHANCED MANPACK RADIO GTANDING JOINT TASK FORCE HQ ENHANCED POSITION LOCATION RPT SYS				\$000 40307 148 2337	Each	\$O	\$000 16907 4596 5440	Each	\$O	\$000 8943 8452 18100 3000 24600		
<b>Fotal</b> Active Reserves				42792 (42792) (0)			26943 (26943) (0)			63095 (58353) (4742)		

Appropriation / Budget Activity/	Serial No:				P-1 Item Nomenclat	ture:	<u> </u>		· ·		
	arine Corps (1109) / Communications and E	Electronic Equipment (4	4) / 037	ļ			AN/PSC-5 ENH	ANCED MANPACK	RADIO (A44131)		
Program Elements for Code B	Items:		Code:	Other Related Prog	ram Elements:						
			А	<u> </u>							
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			<u> </u>	<del> </del>	<u> </u>	<u> </u>		<u> </u>	<b></b>		<del></del>
Gross Cost			0.1	4.6		<b></b>					4.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			0.1	4.6							4.7
Initial Spares											
Total Proc Cost			0.1	4.6							4.7
Flyaway U/C											
Wpn Sys Proc U/C											 
						<u> </u>		<u> </u>	<u> </u>		

(COMSEC) and encrypted voice and data capabilities, ensuring multi-service interoperability with most existing and planned communications systems. In addition to voice and data, the AN/PSC-5 interfaces facsimile, teletype, NET Radio Interface (NRI), and SINCGARS.

Prior Years Procurement found in BLI 402700, Manpack Radios & Equipment.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ B Procuremer	nt. Marine Co	y/Serial No: orps (1109) / Comi Equipment (4) / 0	munications and		m Nomenclature: -5 ENHANCED M	ANPACK RADIO (	A44131)	Weapon System	Type:	Date: Sept	ember 1997
Weapon System	ID			1-1 ( //		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
Goot Elomonic					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
N/PSC-5 ANCILLARY EQUIP Incillary Equipment flounts emotes raining					148			311 4217 68		•			
Total					148			4596					

	Exhibit P-5a, Budget Procureme	nt History a	and Planning					Date:	eptember	1007
Appropriation / Budget Activity/Serial No:		Weapon Sys			P-1 Line Item	Nomenclatur	e:	3	eptember	1997
Procurement, Marine Corps (1109) / Communicati	ions and Electronic					AN/PSC-5 EN	IHANCED MANPAC	K RADIO	(A44131)	
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Is:
iscal Years		and Type			Delivery	Each	\$	Now?	Avail	Date
AN/PSC-5 ANCILLARY EQUIP FY98										
MOUNTS	NSWD DALHGREN, VA	C/FFP	MCSC	Jun-98	Sep-98	Lot	311000	YES	YES	
REMOTES	NSWD DALHGREN, VA	C/FFP	СЕСОМ	Jun-98	Sep-98	Lot	4217000	YES	YES	

	Exhibit P	-40, Budget Ite	em Justific	cation Shee	:		Date:		September 1997		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Ma	rine Corps (1109) / Communications and	Electronic Equipment (4)	/ 037					SINCGARS (A4436)	3)		
Program Elements for Code B	Items:	C	Code:	Other Related Prog	ram Elements:					To Complete	
			Α								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			3318								3318
Gross Cost			40.3	16.9	8.9	5.2					71.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			40.3	16.9	8.9	5.2					71.4
Initial Spares			4.0	3.2	1.1	1.1					9.5
Total Proc Cost			44.3	20.1	10.1	6.3					80.8
Flyaway U/C											
Wpn Sys Proc U/C			0.012								

The SINCGARS radio replaces all AN/PRC-77 Manpack, Bancroft, and AN/VRC-12 family of vehicular radios currently in the Marine Corps inventory. The SINCGARS radio is used as the primary means of communication for command and control as well as fire support on the battlefield. SINCGARS is highly reliable with over 1250 hours mean time between failure and the built-in test equipment eases the workload. Frequency hopping capability offers low probability of intercept, while integrated COMSEC deletes the requirement for external communications security equipment.

SINCGARS Radios will not be procured beyond FY 1997.

Funding in FY 1998 - FY 2000 reflects costs associated with the fielding and support of SINCGARS to include:

Installation

Special Purpose Test Equipment

Maintenance Support

Field Service Representatives

New Equipment Training Teams

Fielding

Reliability Award Fees

Contracting Support

Prior Years PROCUREMENT IN BLI 451000, SINCGARS.

Exhibit P-5E, Weapon System Cost Analysis (Extended)		Appropriation/ Bu Procuremen	t, Marine Co	y/Serial No: orps (1109) / Comr Equipment (4) / 0:	P-1 Line Ite	em Nomenclature: RADIO S	SYSTEMS	Weapon System	Type:	Date: Septe	ember 1997
	ID			,						FY 97	
Cost Elements	CD								TotalCost	Qty	UnitCost
									\$000	Each	\$
SINCGARS	А								24633	3318	742
Ancillary Equipment Installation Kits Special Purpose Test Equipment Maintenance Support Field Service Representatives New Equipment Training Teams Fielding/Installation by Contractor Reliability Award Fee Warranty Contracting Support Program Support									5485 1590 106 637 1379 3183 1677 119 398		
Pending Transfer For Disaster Relief  Pending Offset For Commissary  Reprogramming									1100		
TOTAL									40307		

Exhibit P-5E, Weapon System Cost Analysis (Extended)			, Marine Co	/Serial No: rps (1109) / Comr Equipment (4) / 03		P-1 Line Ite	em Nomenclature: RADIO S	: SYSTEMS		Weapon System	Туре:	Date: Sept	ember 1997
	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
SINCGARS													
ncillary Equipment nstallation Kits pecial Purpose Test Equipment		2275 1552			449			232					
laintenance Support ield Service Representatives		568 1967			280 1351			1093					
lew Equipment Training Teams iielding/Installation by Contractor Reliability Award Fee		1639 6491 1923			1688 3647 1022			3398					
Varranty Contracting Support		492			506			471					
OTAL		16907			8943			5194					

	Exhibit P-5a, Budget Procuremer				I				September	
ppropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications a	and Electronic	Weapon Syst	em Type:		P-1 Line Item	Nomenclatur				
Equipment (4) / 037			_				SINCGARS (A44			
/BS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss Date
scal Years		and Type			Delivery	Each	\$	Now?	Avail	
INCGARS					4					l
<b>(</b> 97	ITT, FORT WAYNE, IN	FFP/O	CECOM	Aug-97	Aug-98	3318	7424	YES	N0	Jan-
UNIT COSTS DO NOT INCL	UDE NAVY COMSEC FUNDING. UNIT COS	ST IS AN AVE	RAGE OF THE UNIT COST	FOR VARIC	US CONF	IGURATIO	NS			
OF THE SINCGARS RADIO		ST IS AN AVE	RAGE OF THE UNIT COST	FUK VAKIC	JUS CUNF	IGUKATIO	ONIV			
		ST IS AN AVE	RAGE OF THE UNIT COST	FOR VARIC	DUS CONF	IGURATIO	ns			<u> </u>

Evhibit P-20 Red	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
	•	Procureme	ent, Marine Corps (110	,	and Electronic Equipme	ent (4) / 037	September-97		
P-1 Line Item Nomenclature (In-	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	RADIO SYSTEMS (A44363)			11	Months			12	Months
SINCGARS (A44363)			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			3318						
Unit Cost			12.1						
Total Cost			40307.0						
Asset Dynamics									
Beginning Asset Posi			20669	20669	21221	23987	23987	23987	2398
Deliveries from:	FY 1997 Funding			552	2766				
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subse	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirement	s/Attritions								
End of Year Asset Po	sition		20669	21221	23987	23987	23987	23987	2398
Inventory Objective or Cu	urrent Authorized Allowance		23987	23987	23987	23987			
Inventory Objective	e Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible	!	Aircraft:	
23,987	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacement	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX		]		Inactive Inv	
Total:					<del></del>			Storage	

	FY 1998 / FY 1999 BUDGET F	PRO	DUCTIO	N SCI	HEDUL	E		P-1 II	rem ivo	omeno	ciature	i:		S	INCG	ARS (A	A4436	63)						Date	ı:			Septe	mber	1997		
		М		s	PROC QTY	ACCEP. PRIOR	BAL DUE					Fis	cal '	Year	96 Cale	ndaı	r Ye:	ar 96	•					Fis		Yea		Year	97	_		L A
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	Exhibit F	P-40, Budget I	tem Justifi	cation Shee					September 1997		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Ma	rine Corps (1109) / Communications and	Electronic Equipment (	4) / 037				GROUN	D MOBILE FORCES	(A44245)		
Program Elements for Code B	Items:		Code:	Other Related Prog	ram Elements:						
26	6313M / C2275*		В								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty					5	17	16				38
Gross Cost					8.5	27.3	26.9				62.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)					8.5	27.3	26.9				62.7
Initial Spares					0.2	0.7	0.4	0.4			1.7
Total Proc Cost					8.7	28.0	27.3	0.4			64.3
Flyaway U/C											
Wpn Sys Proc U/C					1.690	1.607	1.681				

The GMF STAR-T (Super High Frequency (SHF) Tri-band Advanced Range Extension Terminal) is a tactical satellite terminal that is mounted on a heavy HMMWV. All components (communications equipment and antenna) will be self contained on a removable pallet and can operate independently of the HMMWV. Each terminal will be interoperable with existing tactical satellite terminals and Tri-Tac equipment. These terminals will also be compatible with the other services. Due to its configuration on one HMMWV, this terminal will provide increased mobility with roll-on, roll-off capability.

\*Army MS I/III-Jul 94 DT-Oct 97 OT-Feb 98 MC MS III-May 98

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ B Procuremer	t, Marine Co	y/Serial No: rps (1109) / Comr Equipment (4) / 0	munications and		em Nomenclature: GROUND MOBILE	: FORCES (A4424	5)	Weapon System	Type:	Date: Sept	ember 1997
Weapon System	ID			1-1 - ( ) -		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Got Liements					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
					,,,,,,		,	,,,,,		7	,,,,,		T
GMF											8000	5	160000
SUPPORT:													
Engineering Support Factory Training Travel											382 50 20		
TOTAL Active Reserve											<b>8452</b> (3710) (4742)		

								Date:		
Exhibit F	P-5a, Budget Procurement I	listory a	nd Planning					S	eptember	1997
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclatur	re:			
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 037						GROL	IND MOBILE FORCE	ES (A4424	15)	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issue
		Method						Avail	Revsn	Date
Fiscal Years GMF		and Type			Delivery	Each	\$	Now?	Avail	
	Raytheon	C/FFP	CECOM	Jan-99	Jan-00	5	1600000	Yes	No	N/A
F1 99	Raytheon	C/FFF	CECOM	Jan-99	Jan-00	5	1600000	168	INO	IN/A
REMARKS:										

Exhibit P-20, Req	uirements Study	Approriation/Budge	t Activity/Serial No:				Date:		
<u> </u>	•	Procurem		09) / Communications	and Electronic Equipm	ent (4) / 037		Septem	ber-97
P-1 Line Item Nomenclature (Incl	lude DODIC for Ammunition Items):		Admin Leadtime (a	fter Oct 1):			Prod Leadtime:		
RADIO	) SYSTEMS (A44245)	GMF		3	3 Months			12	Months
GROUND MOBILE FOR	CES (A44245)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					5	17	16		
Unit Cost					1690.4	1606.9	1686.8		
Total Cost					8452.0	27318.0	26989.0		
Asset Dynamics									
Beginning Asset Positi	ion						5	22	
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding					5			
Deliveries from Subsec	quent Years Funds						17	16	
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition					5	22	38	
Inventory Objective or Cur	rrent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
38	Expenditures	U	sage	(Vehicle	es/Other)	for Replacement		TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	

FY 98 / 99 BUDGET PRO	DUC	CTION SC	CHED	ULE			P-1 II	rem ivo	meno	anure	:	GRO	DUND	MOBI	LE FO	DRCE	S (A44	1245)					Date	:			Septe	mber	1997		
				PROC	ACCEP.	BAL					Fis	cal `	Year										Fis		Yea						L
	М		S	QTY	PRIOR	DUE								Cale	ndaı	r Yea	ar 99	)						С	alen	dar `	Year	00			Α
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COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	C	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	E R
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GMF	1	FY 99	JCS	2	0	2				Α												1	1								
GMF *Reserves	1	FY 99	MC	3	0	3				Α													2	1	1						
	1																														
GMF	1	FY 00	MC	17	0	17																Α			1	t					17
GMF	1	FY 00	A	16	0	16																Α			f	t					16
GMF	1	FY 00	JCS	2	0	2		$\Box$														Α			t	t					2
GMF *Reserves	1	FY 00	MC	2	0	2																Α			t	1					2
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GMF	1	FY 01	JCS	2	0	2		$\vdash$																	1	-					38
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		Exhibit P-4	10, Budget	ltem Justific	cation Sheet			Date:		September 1997		
Appropriation / Budget Activity/	Serial No:					P-1 Item Nomencla	ture:					
Procurement, Ma	rine Corps (1109) / Com	munications and Ele	ectronic Equipment	(4) / 037				GLOBAL BROAD	CAST SERVICE TE	RMINAL (A44359)		
Program Elements for Code B	Items:			Code:	Other Related Prog	ram Elements:						
				Α								
	Prior Years			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty							70					70
Gross Cost							7.0	0.1				7.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)							7.0	0.1				7.1
Initial Spares								0.0				0.0
Total Proc Cost							7.0	0.1				7.1
Flyaway U/C												
Wpn Sys Proc U/C							0.100					

THE GBS TERMINAL IS A SMALL, LIGHTWEIGHT, MULTI-MEGABIT-PER-SECOND RECEIVE-ONLY SATELLITE COMMUNICATIONS (SATCOM) TERMINAL. THE GBS TERMINAL WILL RECEIVE AND DISSEMINATE GLOBAL BROADCASTS OF STANDARD PRODUCTS SUCH AS IMAGERY, INTELLIGENCE INFORMATION, WEATHER, THEATER MESSAGE TRAFFIC, JOINT AND SERVICE-UNIQUE NEWS, VIDEO AND MORALE WELFARE & RECREATION (MWR) PROGRAMMING. THE TERMINAL WILL CONSIST OF A SATCOM RECEIVER, CABLING AND AN 18" SATCOM ANTENNA. THIS IS A JOINT USAF LED PROGRAM.

Note: Spares amount in FY01 is 18K.

							Date:				
	Exhibit	t P-40, Budget	Item Justific	cation Shee	t				September 1997		
propriation / Budget Activity/Se	erial No:				P-1 Item Nomencla	ture:					
Procurement, Marin	ne Corps (1109) / Communications	and Electronic Equipment (	(4) / 037					SMART-T (A44130)	)		
ogram Elements for Code B Ite	ems:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
roc Qty					24	1					25
ross Cost					18.1	0.7					18.8
ess PY Adv Proc											
us CY Adv Proc											
et Proc (P-1)					18.1	0.7					18.8
itial Spares						1.5					1.5
otal Proc Cost					18.1	2.2					20.3
yaway U/C											
pn Sys Proc U/C					0.754	0.670					
pn Sys Proc U/C	ART-T is a palletized	i, transportable,	heavy HMM	MV-mounted			nications ter	minal that o	perates with	) MILSTAR (	ן יכ

The MILSTAR SMART-T is a palletized, transportable, heavy HMMMV-mounted tactical satellite communications terminal that operates with MILSTAR compatible communications payloads. SMART-T transmits an extremely high frequency (EHF) uplink signal and receives a super high frequency (SHF) downlink signal to provide the MAGTF commander with robust, low probability of intercept, jam resistant communications. SMART-T provides multi-channel medium and low data rate communications simultaneously. The SMART-T will provide the Marine Corps allignment with the Joint Staff MILSATCOM architecture in the EHF satellite frequency spectrum and provide MAGFT elements with multi-channel internal and external, long haul, critical command and control communications. The SMART-T will meet the Joint requirement for a data/voice satellite communications system that will provide secure, mobile, worldwide, anti-jam, low probability of intercept tactical communications not subject to terrain masking or distance limitations.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Boundary  Procuremen	t, Marine Co	y/Serial No: rps (1109) / Comi Equipment (4) / 0		P-1 Line Ite	em Nomenclature: SMART-1	Γ (A44130)		Weapon System	Type:	Date: Sept	ember 1997
Weapon System	ID			1-1 - (7-		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Oost Elements					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
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SMART-T TERMINAL											17876	24	744833
FACTORY TRAINING ENGINEERING SUPPORT INTEGRATED LOGISTICS SUPPORT TRAVEL											75 49 80 20		
TOTAL											18100		

Exhib	it P-5a, Budget Procuremer	nt History a	and Planning					Date:	September	1997
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclature	e:		•	
Procurement, Marine Corps (1109) / Communications and Electron Equipment (4) / 037	nic						SMART-T (A441			
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First		Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
SMART-T TERMINAL				Oct-98	Oct-00	24				
FY 99	Raytheon Electronic System	FFP	CECOM				744833		YES	Jan-9

Item No. 25 Page 23 of 43

Bli No. 463300

Exhibit P-20, Requi	iromente Study	Approriation/Budge	t Activity/Serial No:				Date:		•
· -		Procurem	ent, Marine Corps (1	109) / Communications	and Electronic Equipm	ent (4) / 037		Septem	nber-97
P-1 Line Item Nomenclature (Include	e DODIC for Ammunition Items):		Admin Leadtime (a	fter Oct 1):			Prod Leadtime:		
	RADIO SYSTEMS (A44130)			(	0 Months			24	Months
SMART-T (A44130)		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					24	1			
Unit Cost					754.2	670.0			 [
Total Cost					18100.0	670.0			
Asset Dynamics									1
Beginning Asset Position	1							24	25
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding						24		
Deliveries from Subseque	ent Years Funds							1	1
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									<u> </u>
Disposals/Retirements/A	ttritions								I
End of Year Asset Position	on						24	25	25
Inventory Objective or Curre	nt Authorized Allowance								
Inventory Objective	Actual Training	Other th	nan Training	Disp	oosals	Vehicles Eligible	)	Aircraft:	1
25	Expenditures	ι	Isage	(Vehicl	es/Other)	for Replacement	t	TOAI	I
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	I
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	I
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	- I
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	,
Total:						_		Storage	<u></u>

	FY 98 / 99 BUDGET PROI	DUC	TION SC	HED	ULE			P-1 11	rem ivo	omeno	ciature	-		5	SMAR	T-T (A	44130	0)						Dat	e:			Se	ptem	ber 19	997		
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	Exhib	oit P-40, Budget	tem Justific	cation Shee	t		Date:		September 1997		
Appropriation / Budget Activity/Se	erial No:				P-1 Item Nomencla	ture:					
Procurement, Marin	ne Corps (1109) / Communication	s and Electronic Equipment (	4) / 037				GENERAL PU	RPOSE RADIO REM	MOTE (A44479)		
Program Elements for Code B Ite	ems:		Code:	Other Related Prog	gram Elements:						
263	13M / C2275 *		В								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost								13.5	14.8		28.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)								13.5	14.8		28.3
Initial Spares								0.5			0.5
Total Proc Cost								14.0	14.8		28.8
Flyaway U/C											
Wpn Sys Proc U/C											·

The General Purpose Radio Remote (GPRR) will replace the current AN/GRA-39 radio remote. The AN/GRA-39 is a twenty-five year old analog system that does not support remoting digital waveform transmissions. The vast majority of C4I systems being fielded today (as well as most future radios) are digital systems; these systems cannot be remoted from the command post using existing equipment. The GPRR function is to remote all tactical radio digital transmissions away from the command post (this reduces the electromagnetic signature of the command post which is essential to counter enemy direction finding, electronic warfare, and anti-radiation munitions efforts).

The GPRR will be interoperable with all HF, VHF, UHF, SHF, and EHF tactical radios and the Marine Corps common computer hardware suite. It will use low power components and will operate using AC or DC power. The bandwidth allocation per GPRR user will be scaleable. This flexibility allows narrow band radios or wide band radio/data systems to be supported in various mission dependent employment configurations. The GPRR will have Built-In-Test and Built-In-Test-Equipment to facilitate fault identification and expedite repair in the field. Reliability, Availability, and Maintainability (RAM) of the GPRR will enjoy a significant increase over existing equipment RAM due to the maximum use of micro-miniature and surface mount component technology.

\*MS I/II-May 99 DT-May 00 OT-Feb 01 MS III-TBD

							Date:				
	Exhib	it P-40, Budget l	tem Justific	cation Shee	t				September 1997		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ature:					
Procurement, Ma	rine Corps (1109) / Communication	s and Electronic Equipment (	4) / 037				L	ANT STF HQ (A446	32)		
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:						
			А								
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											40.0
Gross Cost			2.3	5.4	3.0						10.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			2.3	5.4	3.0						10.8
Initial Spares											
Total Proc Cost			2.3	5.4	3.0						10.8
Flyaway U/C											
Wpn Sys Proc U/C											
requirements for system utilizing m	ne Standing Task For the Headquarters ele ninimum equipment ty ingle Channel LOS; v	ment of the STF. ypes. It provides	The STF H the STF with	Q (CSA) pro h Multichann	vides the ST el SatCom;	F with a rapi Single Chani	idly deployal nel Tactical	ble, easy to	use, redund	ant communi	cation

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bo Procuremen	t, Marine Co	y/Serial No: orps (1109) / Comi Equipment (4) / 0		P-1 Line Ite	em Nomenclature: LANT STF F	HQ (A44632)		Weapon System	Туре:	Date: Septe	ember 1997
Weapon System	ID			1-1 ( )		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
STF HQ Radio Systems					1812	28	VAR	4677	25	VAR	2775	20	VAF
STF HQ Switching / Techcon Systems					525	5	VAR	763	9	VAR	225	2	VAF
Total					2337			5440			3000		

								Date:		
Ex	chibit P-5a, Budget Procuremei	nt History a	and Planning					S	September	1997
Appropriation / Budget Activity/Serial No:		Weapon Syst	tem Type:		P-1 Line Item	Nomenclature	э:			
Procurement, Marine Corps (1109) / Communications and B	Electronic						LANT STF HQ (A4	4632)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
STF HQ Radio Systems										
FY 97	Various	FFP	Quantico, VA	Sep-97		28	VAR	Yes	Yes	May-97
FY 98	Various	FFP	Quantico, VA	Jan-98		25	VAR	Yes	Yes	Nov-97
FY 99	Various	FFP	Quantico, VA	Jan-99	Apr-99	20	VAR	Yes	Yes	Nov-98
STF HQ Switching / Techcon Systems										
FY 97	Various	FFP	Quantico, VA	Sep-97	Dec-97	5	VAR	Yes	Yes	May-97
FY 98	Various	FFP	Quantico, VA	Jan-98		9	VAR		Yes	Nov-97
FY 99	Various	FFP	Quantico, VA	Jan-99		2	VAR		Yes	Nov-98
			·							

REMARKS:

STF HQ Radio Systems include: INMARSAT Systems (Type A & Type B/64 Kbps), SABER Radios, AN/GRC-239 (TSSR) Systems, MMT 1500 Systems, AN/TRC-170(V3) Systems, and Tri-Band Sat Terminal.

STF HQ Switching/Techcon Systems include: IDNX (20/24) Systems, Line Termination Units (LTU), CX-11230 Cables, and SMU's.

Exhibit P-20 Rec	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
•	•	Procureme	ent, Marine Corps (1109	,,	nd Electronic Equipm	nent (4) / 037		September-97	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):	•	•	Prod Leadtime:		
	RADIO SYSTEMS (A44632)			11	Months			3	Months
STF HQ RADIO SYSTEI	MS (A44632)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			28	25	20				
Unit Cost			64.7	187.1	138.8				
Total Cost			1812.0	4677.0	2775.0				
Asset Dynamics									
Beginning Asset Posit	tion				53				
Deliveries from:	FY 1997 Funding			28					
Deliveries from:	FY 1998 Funding			25					
Deliveries from:	FY 1999 Funding				20				
Deliveries from Subse	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition			53	73				
inventory Objective or Cu	irrent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Dispo	sals	Vehicles Eligible	9	Aircraft:	
73	Expenditures	U:	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999	_	Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	

Bli No. 463300 Item No. 25 Page 33 of 43 Exhibit P-20, Requirements Study

Exhibit P-20, Req	uirements Study	Approriation/Budget	Activity/Serial No:				Date:		
	-			ions and Electronic Eq	uipment (4) / 037			September-97	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	RADIO SYSTEMS (A44632)			11	Months			3	Months
STF HQ Switching / Tech	ncon Systems		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			5	9	2				
Unit Cost			105.0	84.8	112.5				
Total Cost			525.0	763.0	225.0				
Asset Dynamics									
Beginning Asset Posit	tion				14				
Deliveries from:	FY 1997 Funding			5					
Deliveries from:	FY 1998 Funding			9					
Deliveries from:	FY 1999 Funding				2				
Deliveries from Subse	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition			14	16				
Inventory Objective or Cu	rrent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
16	Expenditures	U	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:		•	•		•	=		Storage	

Bli No. Item No. 25 Page 34 of 43 Exhibit P-20, Requirements Study

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(4) / 037			EN	IHANCE POSITION	ING LOCATOR REF	PORTING SY (A446	33)	
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Α								
FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
		24.6	3.0	2.5				30.1
		24.6	3.0	2.5				30.1
		0.3	0.3	0.2				0.8
		24.9	3.3	2.7				30.9
	Code:	Code: Other Related Prog	A) / 037  Code: Other Related Program Elements:  A  FY 1997 FY 1998 FY 1999  24.6  0.3  24.9	Code: A  FY 1997 FY 1998 FY 1999 FY 2000  24.6 3.0  24.6 3.0  0.3 0.3 24.9 3.3	(4) / 037 ENHANCE POSITION    Code:	Code:	Code: Other Related Program Elements: A   PY 1997   FY 1998   FY 1999   FY 2000   FY 2001   FY 2002   FY 2003	Code: Other Related Program Elements:   A

The Enhanced Position Location Reporting System (EPLRS) will provide Marine Forces with a critical command, control, and situational awareness data distribution network that does not currently exist. EPLRS provides robust, seamless, and integrated data distribution that supports numerous MAGTF C4I tactical data systems. The system will be fielded to infantry, artillery, light armored vehicle (LAV), tank, and mobile command units. EPLRS will be the primary entry node for sensor collected information from forward deployed units for transmission to higher headquarters; this type of connectivity is not currently available. The EPLRS system is being fielded to the U.S. Army as their tactical data distribution network, thus, data connectivity between Army and Marine Forces will be made easier when operating in a Joint environment. The U.S. Navy is employing EPLRS as part of it's KSG-1 program. This functionality will support Marine Forces during amphibious operations. The Air National Guard is employing EPLRS in all their Block III F-16's for data and situational awareness distribution.

The primary EPLRS system components are a Net Control Station (NCS) and Enhanced PLRS User Units (EPUU). The NCS provides control, timing, monitor, and cryptographic variable generation and update for the EPLRS network.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ B Procuremen	t, Marine Co	y/Serial No: rps (1109) / Comr Equipment (4) / 0				LOCATOR REPO (4633)	RTING SY	Weapon System	Туре:	Date: Sept	ember 1997
Weapon System	ID					FY 97	·		FY 98	•		FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
EPLRS EPUU's											19844	484	41000
EPLRS Net Control Station											4000	8	500000
Program/Contractor Support											291		
New Equipment Training											125		
Manuals and Instructions											75		
Integrated Logistics Support											150		
Special Purpose Test Equipment											115		
Total											24600		
Total											24000		

F	Exhibit P-5a, Budget Procureme	nt History a	and Planning					Date:	antambar	1007
Appropriation / Budget Activity/Serial No:	-	Weapon Syst			P-1 Line Item	Nomenclatur	e:		September	1997
Procurement, Marine Corps (1109) / Communications and Equipment (4) / 037	d Electronic				ENHA	ANCE POSITION	ONING LOCATOR F	REPORTI	NG SY (A4	4633)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
EPLRS EPUU's										
FY 99	Hughes Defense Communications (Mississippi & California)	FFP	CECOM	Jan-99	Jul-00	484	41000	Y	N	
EPLRS Net Control Station FY 99		FFP	СЕСОМ	Jan-99	Jul-00	8	500000	Y	N	
REMARKS:										

Exhibit P-20, Requ	uirements Study	Approriation/Budge	t Activity/Serial No:				Date:		
<u> </u>		(Procuren		109) / Communications	and Electronic Equipn	nent (4) / 037		September-97	
P-1 Line Item Nomenclature (Inclu	ude DODIC for Ammunition Items):		Admin Leadtime (a	fter Oct 1):			Prod Leadtime:		
	RADIO SYSTEMS (A44633)	-		3	3 Months			18	Months
EPLRS EPUU's			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					484				
Unit Cost					42.6				
Total Cost					20600.0				
Asset Dynamics									
Beginning Asset Position	on						203		
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding					203	281		
Deliveries from Subseq	uent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/	'Attritions								
End of Year Asset Posi	tion					203	484		
Inventory Objective or Curr	rent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
537	Expenditures	U	sage	(Vehicle	es/Other)	for Replacement	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:		•	•			=		Storage	

Bli No. 463300 Item No. 25 Page 40 of 43 Exhibit P-20, Requirements Study

Exhibit P-20, Requi	iromonts Study	Approriation/Budge	t Activity/Serial No:				Date:		
· -		(Procurer		109) / Communications	and Electronic Equipm	nent (4) / 037		September-97	
P-1 Line Item Nomenclature (Include	e DODIC for Ammunition Items):		Admin Leadtime (a	after Oct 1):			Prod Leadtime:		
	RADIO SYSTEMS (A44633)	-			3 Months			18	Months
<b>EPLRS Net Control Stations</b>	3		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					8				
Unit Cost					500.0				
Total Cost					4000.0				
Asset Dynamics									
Beginning Asset Position						2	2 8	10	10
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding					6	3 2	2	
Deliveries from Subseque	ent Years Funds								
Other Gains					2				
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/A	ttritions								
End of Year Asset Position	on				2	8	3 10	10	10
Inventory Objective or Curre	nt Authorized Allowance								
Inventory Objective	Actual Training	Other th	nan Training	Disp	oosals	Vehicles Eligible	9	Aircraft:	
10	Expenditures	U	Isage	(Vehicl	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						-		Storage	

Remarks: Two Net Control Stations Purchased in FY 98 in 26313M / C2275.

FY 98 / 99 BUDGET PRO	DUC	TION SO	CHED	ULE			P-1 II	rem IVO	mend		: ANCE	POSIT	TIONIN	NG LO	CATO	R REI	PORT	ING S	SY (A4	4633)			Date				Septe	mber '	1997		
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	Exhi	bit P-40, Budget	Item Justific	cation Sheet	t				September 1997		
Appropriation / Budget Activity/	/Serial No:				P-1 Item Nomencla	ture:					
Procurement, Ma	arine Corps (1109) / Communicati	ons and Electronic Equipment	(4) / 038			cc	MMUNICATIONS S	SWITCHING AND C	ONTROL SYS (P44	446)	
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			14.0	44.7	74.2	81.5	14.8				229.2
Less PY Adv Proc											<u> </u>
Plus CY Adv Proc											<u> </u>
Net Proc (P-1)			14.0	44.7	74.2	81.5	14.8				229.2
Initial Spares			0.7	2.0		3.2	2.3	3.0			11.2
Total Proc Cost			14.8	46.8	74.2	84.6	17.1	3.0			240.4
Flyaway U/C											İ
Wpn Sys Proc U/C											
This is a roll-up I	line which contains	the following progr	ams								
LINIT LEVEL CIDCL	HT CWITCH										
UNIT LEVEL CIRCL	JII SWIICH										
DIGITAL TECH CON	NTROL										
TACTICAL DATA NI	ETWORK										
DEFENSE MESSAG	OF CVCTEM										

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procuremen	t, Marine Co	//Serial No: rps (1109) / Comr Equipment (4) / 0				CHING AND CONT 1446)	ROL SYS	Weapon System	Type:	Date: Septe	ember 1997
Weapon System	ID			• • • • • • • • • • • • • • • • • • • •		FY 97	·		FY 98		ĺ	FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
COSt Elements					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
UNIT LEVEL CIRCUIT SWITCH (ULCS) FACTICAL DATA NETWORK (TDN) DIGITAL TECHNICAL CONTROL (DTC) DEFENSE MESSAGE SYSTEM (DMS)					9798 4244	Laon	<del>\$</del>	25636 11634 7471		ΨΟΟΟ	50756 18848 4600	14611	<b>\$33</b>
TOTAL					14042			44741			74204		
Active Total					11842			44741			61290		
Reserve Total					2200			0			12914		

							Date:				
	Exhibit P-4	0, Budget Item	Justifi	cation She	et				September 1997		
Appropriation / Budget Act	civity/Serial No:				P-1 Item Nomencl	ature:					
Procurement, Mari	ine Corps (1109) / Communications and	d Electronic Equipment (4)	/ 038				UNIT LEVE	EL CIRCUIT SWITC	CH (A44106)		
Program Elements for Coo	de B Items:	Code	э:	Other Related Pro	gram Elements:						
						1	1		1	1	
	Prior Years	F	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			9.8								9.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			9.8								9.8
Initial Spares			0.7	2.0							
Total Proc Cost			9.8								9.8
Flyaway U/C											
Wpn Sys Proc U/C											

The Unit Level Circuit Switch (ULCS) System is a family of Tri-Service Tactical Communcaitons digital voice and data equip,ent consisting of AN/TTC-42 (280 line), and various digital telephones and multiplexers that provide an automatic telephone capability to the field. The ULCS system replaced the analog switching and terminal equipment including AN/TTC-38 and SB-3082. The ULCS Product Improvement Program (ULCS PIP) will begin in FY-97. The ULCS PIP adds a variety of interoperability enhancements that improve the general usefulness and flexibility when employed in joint networks. These improvements include a line termination interface with the secure terminal unit (STU-III), and additional AUTOVON capability.

MOD INSTALLING AGENT INSTALLATION END ITEM FACILITY

ULCS PIP FIELD BEGIN: Jan-99 AN/TTC-42, AUTOMATIC CENTRAL TELEPHONE OFFICE

END: Jan-00

FIELD BEGIN: Jan-99 SB-3865 AUTOMATIC TELEPHONE SWITCHBOARD

END: Jan-00

MODELS OF SYSTEMS AFFECTED: AN/TTC-42 Telephone Central & SB-3865 Tactical Switchboard

MODIFICATION TITLE FY96 FY97 FY98 FY99

**ULCS PIP** 

AN/TTC-42 MOD KIT 5440
SB-3865 MOD KIT 4358
TOTAL \$9,798

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budge Procurement, Ma Fle	arine Cor		nunications and		m Nomenclature: IT LEVEL CIRCUI	T SWITCH (A441	06)	Weapon System	Type:	Date: Sept	ember 1997
Weapon System	ID	Lie	SCHOIL E	quipment (+) / 0		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
JLCS PIP													
AN/TTC-42 MOD KIT					5328	61	87344						
SB-3865 MOD KIT					4234	425	9962						
NONRECURRING COSTS Technical Data Supporting Equipment Engineering Travel					120 26 75 15								
<b>TOTAL</b> ACTIVE RESERVES					<b>9798</b> 7598 2200								

E	Exhibit P-5a, Budget Procureme	nt History a	and Planning					Date:	Septembei	r 1997
Appropriation / Budget Activity/Serial No:		Weapon Sys	tem Type:		P-1 Line Item	Nomenclatur	e:			
Procurement, Marine Corps (1109) / Communications and Equipment (4) / 038	d Electronic					UNIT LE	VEL CIRCUIT SWI			
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
AN/TTC-42 MODIFICATION KIT FY-97	UNKNOWN	C/FFP	MCSYSCOM	Oct-97	Oct-98	61	87344	YES	NO	Aug-97
SB-3865 MODIFICATION KIT FY-97	UNKNOWN	C/FFP	MCSYSCOM	Oct-97	Oct-98	425	9962	YES	NO	Aug-97
REMARKS:										

	Exhibit P-4	I0C Budget I	tem Justific	ation Sheet		D	ate		September 1997		
Appropriation / Budget Activity/	Serial No.			F	-1 Item Nomenclature						
Procurement, M	farine Corps (1109) / Communications and Ele	ectronic Equipment (4)	) / 038				UNIT LEVEL	CIRCUIT SWITCH (	A44106)		
Program Elements for Code B	Items		Code	Other Related Program	n Elements						
Description		Fiscal Years				_					
OSIP NO.	Classification		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TC	Total
	IC CENTRAL OFFICE TEL	EPHONE)									
N-0001	EFFICIENCY		5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4
UNIT LEVEL CIRC	CUIT SWITCH (TELEPHON	NE SWITCHE	BOARD)								
N-0002	EFFICIENCY		4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
Totals			9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8

INDIVIDUAL MODIFICATION Date September 1997 ULCS (AUTOMATIC CENTRAL OFFICE TELEPHONE) N-0001 MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: AN/TTC-42 Automatic Central Office Telephone DESCRIPTION / JUSTIFICATION: The ULCS PIP will add a range of capabilities to the ULCS family of circuit switches that provide improved joint/strategic interoperability and greater network flexibility. Included are a STU-III telephone interface, an atomic timing standard, and an increased number of commercial interfaces. The modification kits will consist of circuit card assemblies and a new revision of software DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: A contractor will be competitively selected to produce the modification components based on Government furnished prototypes and drawings. Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTATI Field Installed ADMINISTRATIVE LEADTIME: PRODUCTION LEADTIME: Months 13 Months Contract Dates: FY 1997 OCT97 FY 1998 Enter Date FY 1999 **Enter Date** OCT98 Delivery Date: FY 1997 FY 1998 **Enter Date** FY 1999 **Enter Date** 

					IN	DIVIDUA	AL MOD	DIFICATI	ON							Date		Septer	nber 1997	
MODIFICATION TITLE (Cont):		UI	LCS (A	NOTU	/ATIC	CENT	TRAL	OFFIC	E TEL	EPHC	NE) N	N-0001								
FINANCIAL PLAN: (\$ in Millions)			-																	
		1996					<del></del>				1									
		Prior		1997		1998		1999		2000		2001		2002		2003		TC		TAL
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity			61																61	
Inst Kits, Nonrecurring																				
Equipment, Nonrecurring				5.328																5.328
ECO																				
Other				0.040																0.044
				0.013																0.013
Data				0.054																0.054
Interim Contractor Support				0.045																0.04
Installation of Hardware																				
FY 1996 & Prior Eqpt Kits																				
FY 1997 Eqpt Kits																				
FY 1998 Eqpt Kits																				
FY 1999 Eqpt Kits																				
FY 2000 Eqpt kits																				
FY 2001 Eqpt kits																				
FY 2002 Eqpt kits																				
FY 2003 Eqpt kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost																	+			
Total Procurement Cost				5.440							+		1				+			5.440

INDIVIDUAL MODIFICATION Date September 1997 UNIT LEVEL CIRCUIT SWITCH (TELEPHONE SWITCHBOARD) N-0002 MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: SB-3865 Automatic Telephone Switchboard DESCRIPTION / JUSTIFICATION: The ULCS PIP will add a range of capabilities to the ULCS family of circuit switches that provide improved joint/strategic interoperability and greater network flexibility. Included are a STU-III telephone interface, an atomic timing standard, and an increased number of commercial interfaces. The modification kits will consist of circuit card assemblies and a new revision of software DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: A contractor will be competitively selected to produce the modification components based on Government furnished prototypes and drawings. Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTATIN: Field Installed ADMINISTRATIVE LEADTIME: PRODUCTION LEADTIME: Months 13 Months Contract Dates: FY 1997 OCT97 FY 1998 Enter Date FY 1999 **Enter Date** OCT 98 Delivery Date: FY 1997 FY 1998 **Enter Date** FY 1999 **Enter Date** 

					IN	DIVIDUA	AL MOD	DIFICATI	ON							Date		Septer	nber 1997	
MODIFICATION TITLE (Cont):		Ul	NIT LE	VEL C	IRCL	JIT SW	ITCH	(TELE	PHO	NE SV	/ITCH	BOAR	D) N-(	0002						
FINANCIAL PLAN: (\$ in Millions)			1																	
		1996	F)/ .	1007	- F\/	1000		1000		0000		0004		0000	l = 1/	0000	1 -		TO:	T
	Qty	Prior \$	FY '	\$	Qty	1998	Qty	1999	Qty	2000 \$	Qty	2001	Qty	2002	Qty	2003	Qty	TC \$	Qty	TAL \$
RDT&E PROCUREMENT Kit Quantity	Qiy	Ψ	425	Ŷ	Qty	Ψ	Giy	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	425	
Inst Kits, Nonrecurring			425																425	
Equipment, Nonrecurring				4.234																4.234
ECO																				
Other Data Interim Contractor Support				0.015 0.059 0.050																0.015 0.059 0.050
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits FY 2003 Eqpt kits FY 2003 Eqpt kits (FY(TC) Eqpt (xx kits)																				
Installment Cost																				
Total Procurement Cost				4.358																4.35

Bli No. 463400 Exhibit P-3a Individual Modification

	Evhibit D	40 Budget Item Iv	-4!£!4	ion Choos			Date:				
	Exhibit P-	-40, Budget Item Ju	stiricat	ion Sneet					September 1997		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mar	rine Corps (1109) / Communications and E	Electronic Equipment (4) / 038					TACTICAL D	DATA NETWORK (T	DN) (A44239)		
Program Elements for Code B I	tems:	Code:	Ot	ther Related Prog	ram Elements:						
2	6313M C2276	В									
	Prior Years	FY 1	997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost				25.6	50.8	38.6	11.4				126.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				25.6	50.8	38.6	11.4	0.0			126.3
Initial Spares						1.2	0.7	1.0			2.9
Total Proc Cost				25.6	50.8	39.7	12.1	1.0			129.2
Flyaway U/C											•
Wpn Sys Proc U/C											

The Tactical Data Network (TDN) will provide the Marine Corps with a complete, integrated data network, forming the communication backbone for Marine Air Ground Task Force (MAGTF) tactical data systems and Defense Mapping System. The TDN consists of two major components: the TDN Gateway and the TDN Server. Both will provide file transfer services, electronic message handling and routing of digital messages between the Local Area Network (LAN), the circuit switched network, and the single channel radil network. In addition, the TDN Gateways will be in an S-788 shelter, mounted on a H-HMMWV for mobility. It will be fielded to the Marine Expeditionary Forces (MEF) headquarters and to the Major Subordinate Commands (MSC's). The TDN Server will be in transit cases and will be man portable. It will be fielded down to the battalion/squadron level.

MS I/II-Apr 95 OT-Sep 97 MS III-Jan 98

OT in progress at Camp Pendleton through 26 Sep 97. MS III remains scheduled for Jan 98.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ B Procuremen	t, Marine Co	y/Serial No: orps (1109) / Comi Equipment (4) / 0			em Nomenclature: TICAL DATA NET	WORK (TDN) (A44	4239)	Weapon System	Туре:	Date: Sept	ember 1997
Weapon System	ID			,		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
TDN GATEWAY/SHELTER TDN SERVER  Contractor Support Factory Training (I&KP) Technical Manuals Logistics Support Travel ECP's						Each			6 120	\$ 1163833		12 240	\$ 1189500
TOTAL ACTIVE RESERVES SERVERS GATEWAYS								25636			<b>50756</b> 37842 12914 1189 11725	1	118946 14126

Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Equipment (4) / 038	Exhibit P-5a, Budget Procureme		nd Planning						Contomb	1007
Procurement, Marine Corps (1109) / Communications and		Weapon Syst			P-1 Line Item	Nomenclatur	e.	,	September	1997
Eddioment (477 0.36	d Electronic						L DATA NETWORK	(TDN) (A	44239)	
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Is
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	Dan
TDN GATEWAY/SHELTER										
FY 98	UNKNOWN	C/FFP	MCSYSCOM	Mar-98	Mar-99	6	1163833	YES	AUG97	
FY 99	UNKNOWN		MCSYSCOM		Sep-99	12			AUG97	
DN SERVER										
Y 98	UNKNOWN	C/FED/O	MCSYSCOM	Mar-08	Sep-98	120	138225	VES	AUG97	
T 98 TY 99	UNKNOWN		MCSYSCOM	Oct-98		240	141267	YES		
1 99	UNKNOWN	C/FFP/O	IVICSYSCOM	001-90	iviai-99	240	141207	TES	AUG97	

Exhibit P-20, Rec	uirements Study	Approriation/Budge	•			<del></del>	Date:		<del></del>
	•	Procure		Communications and Ele	ectronic Equipment / I	P4444038		September 1997	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (at	fter Oct 1):			Prod Leadtime:		
	TDN A2535			5	Months			12	Months
TDN Gateway / Shelter			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				6	12	9			
Unit Cost				1267.1	1254.0	1260.0			
Total Cost				7602.8	15047.2	11340.0			
Asset Dynamics									
Beginning Asset Posit	ion					8			
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding				6				
Deliveries from:	FY 1999 Funding				2	10			
Deliveries from Subse	quent Years Funds					9			
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition				8	27			
Inventory Objective or Cu	rrent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Dispo	osals	Vehicles Eligible		Aircraft:	
27	Expenditures	U	sage	(Vehicle	s/Other)	for Replacement	:	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			<del></del>	Inactive Inv	
Total:								Storage	

Bli No. 463400 Item No. 26 Page 14 of 26 Exhibit P-20, Requirements Study

Exhibit P-20, Requ	irements Study	Approriation/Budge	t Activity/Serial No:				Date:		
<u> </u>		Procurem		09) / Communications a	nd Electronic Equipme	ent (4) / 038		September 1997	
P-1 Line Item Nomenclature (Includ	de DODIC for Ammunition Items):		Admin Leadtime (af	fter Oct 1):			Prod Leadtime:		
COMMUNICATIONS	S SWITCHING AND CONTROL SYSTE	MS (A44239)		5	Months			6	Months
TDN Server			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				120	240	87			
Unit Cost				150.3	148.8	154.0			
Total Cost				18033.2	35708.8	13398.0			
Asset Dynamics									
Beginning Asset Position	า				20	260			
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding			20	100				
Deliveries from:	FY 1999 Funding				140	100			
Deliveries from Subsequ	ent Years Funds					87			
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/A	Attritions								
End of Year Asset Positi	on								
Inventory Objective or Curre	ent Authorized Allowance			20	260	447			
Inventory Objective	Actual Training	Other th	an Training	Dispo	osals	Vehicles Eligible		Aircraft:	
447	Expenditures	U	sage	(Vehicle	s/Other)	for Replacement	:	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999	_	Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	

FY 1998 / FY 1999 BUDGE	T PRO	DUCTIO	N SCI	HEDUL	.E		P-1 II	tem ivo	omend	ciature	TA			ATA NE	ETWC	ORK (1	ΓDN) (	A442	39)				Date	:			Septe	mber	1997		
				PROC	ACCEP.	BAL					Fis	scal	Year										Fis		Yea						L
	M F	FY	S E	QTY Each	PRIOR TO	DUE AS OF	0	N	D	J	F	М	Α	Cale M	nda J	r Yea	ar 98	S S	0	N	D	J	F	<u>С</u>	alen A	dar M	Year	99 J	Α	S	A T
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	O C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	S E P	E R
TDN GATEWAY	1	FY98	MC	6	0	6						Α												1	1	1	1	1	1		
IDN GAILWAI	<u> </u>	FY99	MC	12	0	12						^							A					<del> </del>	H	<del> </del>	<u> </u>	Ľ	H	2	10
	1	FY00	MC	9	0	9													_										$\vdash$	2	9
																													$\Box$		-
TDN SERVER	2	FY98	MC	120	0	120						Α						20	20	20	20	20	20								
	2	FY99	MC	240	0	240													Α					20	20	20	20	20	20	20	100
	2	FY00	MC	87	0	87																									87
TON CATEMAN DESERVES																							<u> </u>		<u> </u>				<u> </u>		
TDN GATEWAY RESERVES	1	FY99	MC		0	4													_						-				$\vdash$		
TDN SERVER RESERVES	2	F199	MC	1	0	1													Α						-				H		1
TDN SERVER RESERVES		FY99	MC	83	0	83													A					20	20	20	20	3	$\vdash$		
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Z IDIT GERVER GIAMAGAANA		J			30				REOF	RDER							J			0					1						
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COST ELEMENTS  R  F  F  F  F  F  R  S  S  S  S  S  S  S  S  S  S  S  S					PROC	ACCEP.	BAL					Fis	cal											F									L
COST ELEMENTS  R  R  R  R  R  R  R  R  R  R  R  R  R				S	QTY	PRIOR									Cale	ndaı	r Yea	ar 00	)							Cal	end	ar Y	ear (	)1			Α
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PRODUCTION RATES  PRODUCTION RATES  REACHED  NAME / LOCATION  MIN. 1-8-5 MAX. D-H  TON SERVER-UNKNOWN  5 20 50 2 2 NITIAL  REORDER  NITIAL  RE	IDIN SERVER RESERVES		EV/00	NAC	00	00																1	╂	-	-	+							
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PRODUCTION RATES   MAX.   NAME / LOCATION   MIN.   1-8-5   MAX.   D +   1   INITIAL   REORDER																																	
PRODUCTION RATES   MAX.   NAME / LOCATION   MIN.   1-8-5   MAX.   D +   1   INITIAL   REORDER																																	
PRODUCTION RATES   MAX.   NAME / LOCATION   MIN.   1-8-5   MAX.   D +   1   INITIAL   REORDER																																	
PRODUCTION RATES   MAX.   NAME / LOCATION   MIN.   1-8-5   MAX.   D +   1   INITIAL   REORDER																							t			1							
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PRODUCTION RATES   MAX.   NAME / LOCATION   MIN.   1-8-5   MAX.   D +   1   INITIAL   REORDER		-																		1		-	1	+	+	+	-	-	-				
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NAME / LOCATION   MIN.   1-8-5   MAX.   D +   1   INITIAL     S   12   17								Т			Ν				Υ	Ν	L	G	Р	Т	V	С		В	F	2	R	Υ		L		Р	
NAME / LOCATION	М		PI	RODUCT	ON RATES		DEAGUES																										
TDN GATEWAY-UNKNOW	F				0.5	MAY						-		Pri	ior 1 O	ct.	Aft		Oct.	Af			Α			4	Rese	erves	are No	on-Ad	ditive.		
TDN SERVER-UNKNOWN   5   20   50   2   INITIAL   5   6   11				1			ט +										-	5		_	12		1—	17	1	-1							
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	Exhibit P-	40, Budget Item Justif	ication Shee	t		Date:		September 1997		
Appropriation / Budget Activity/S	Serial No:			P-1 Item Nomencla	ture:					
Procurement, Mar	rine Corps (1109) / Communications and El	ectronic Equipment (4) / 038				DIGITAL TEC	HNICAL CONTROL	(DTC) (A44241)		
Program Elements for Code B I	Items:	Code:	Other Related Prog	gram Elements:						
20	6313M C2276	В								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			6	9	16					31
Gross Cost			11.6	18.8	35.2					65.7
Less PY Adv Proc										·
Plus CY Adv Proc										·
Net Proc (P-1)			11.6	18.8	35.2					65.7
Initial Spares					2.0	1.6	2.0			5.6
Total Proc Cost			11.6	18.8	37.2	1.6	2.0			71.3
Flyaway U/C										
Wpn Sys Proc U/C			1.9	2.1	2.2					

The Digital Technical Control (DTC) facilitates the installation, operation, restoration, and management of individual circuits and digital links consisting of many multiplexed circuits. It provides the primary interface between subscriber systems/networks within a local area and long-haul multichannel transmission systems to transport voice, message, data, and imagery traffic. It can add, drop and insert digital circuits into multiplexed groups; provide a source of stable timing to connected equipment; condition circuits; and perform analog/digital, 2-wire, and signalling conversions. It contains the monitoring, testing, and patching equipment required by technical controllers to troubleshoot and restore faulty circuits and links.

MS I/II-Apr 95 OT-Sep 97 MS III-Jan 98

OT in progress at Camp Pendleton through 26 Sep 97. MS III remains scheduled for Jan 98.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ B Procuremer	t, Marine Co	y/Serial No: rps (1109) / Comr Equipment (4) / 0			em Nomenclature: AL TECHNICAL C	ONTROL (DTC) (A	44241)	Weapon System	Туре:	Date: Septe	ember 1997
Weapon System	ID			• • • • • • • • • • • • • • • • • • • •		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DIGITAL TECHNICAL CONTROL AN/TSQ-215								11109	6	1851507	17030	9	1892239
SUPPORT COSTS Engineering Logistics Support Factory Training (I&KP)								273 61			281 61 124		
Technical Manuals Provisioning Data								66 54			66 57		
Travel								33			34		
ECP											948		
Contractor Support								38			247		
TOTAL								11634			18848		

	Exhibit P-5a, Budget Procureme	ent History a	and Planning					Date:	September	1007
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclatur	re:		bepterriber	1997
Procurement, Marine Corps (1109) / Communica Equipment (4) / 038	tions and Electronic					DIGITAL TE	CHNICAL CONTRO	DL (DTC) (	(A44241)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
AN/TSQ-215										
FY 98	UNKNOWN		MCSYSCOM	Mar-98	Mar-99	6		YES	OCT97	Nov-9
FY 99	UNKNOWN	C/FFP/O	MCSYSCOM	Oct-98	Sep-99	9	1892239	YES	OCT97	Nov-9
REMARKS:										

Exhibit P-20, Req	uirements Study	Approriation/Budget	Activity/Serial No:				Date:		
· -		Procurem		09) / Communications ar	nd Electronic Equipme	ent (4) / 038		September 1997	
P-1 Line Item Nomenclature (Incl	ude DODIC for Ammunition Items):		Admin Leadtime (af	ter Oct 1):			Prod Leadtime:		
COMMUNICATION	NS SWITCHING AND CONTROL SYST	EMS (A44241)		5	Months			12	Months
Digital Technical Control			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				6	9	16			
Unit Cost				1939.0	2094.2	2200.1			
Total Cost				11634.0	18848.0	35201.0			
Asset Dynamics									
Beginning Asset Position						7	15	22	31
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding				6				
Deliveries from:	FY 1999 Funding				1	8			
Deliveries from Subsec	quent Years Funds						7	9	
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	/Attritions								
End of Year Asset Pos	ition				7	15	22	31	31
Inventory Objective or Cur	rent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Dispo	osals	Vehicles Eligible		Aircraft:	
31	Expenditures	U	sage	(Vehicle	s/Other)	for Replacement	:	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:			<del></del>					Storage	

Bli No. 463400 Item No. 26 Page 21 of 26 Exhibit P-20, Requirements Study

FY 98 / 99 BUDGET PRO	OUC	TION SC	HED	ULE			P-1 II	rem ivo	omeno	ciature		ITAL T	TECHN	NICAL	CONT	TROL	(DTC)	(A44	241)				Date				Septe	mber 1	1997		
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	Exhibit P-4	10, Budget Item Justif	ication Shee	t		Date:		September 1997						
Appropriation / Budget Activity/S	Serial No:			P-1 Item Nomencla	ture:									
Procurement, Mar	rine Corps (1109) / Communications and Ele	ectronic Equipment (4) / 038		DEFENSE MESSAGE SYSTEM (DMS) (A44402)										
Program Elements for Code B I	Items:	Code:	Other Related Prog	gram Elements:										
02	06313M C2276	В												
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog				
Proc Qty														
Gross Cost		4.2	7.5	4.6	7.7	3.4				27.4				
Less PY Adv Proc														
Plus CY Adv Proc														
Net Proc (P-1)		4.2	7.5	4.6	7.7	3.4				27.4				
Initial Spares														
Total Proc Cost		4.2	7.5	4.6	7.7	3.4				27.4				
Flyaway U/C														
Wpn Sys Proc U/C														

DMS is DOD-wide program to integrate Automatic Digital Network (AUTODIN) and E-mail into a single, secure DoD message communications system. DMS will expand writer-to-reader connectivity, support, and message security services. Organizations and individuals will be able to create, edit, send, receive, read, and process organizational and individual messages, secured with end-to-end protection, direct from desktop terminals/personal computers in their workspaces.

Essentially, DMS will encompass the Marine Corps' current Banyan E-mail and AUTODIN systems as well as the following additional capabilities:

- \*\* Connectivity to all users in DoD
- \*\* Secure networking of classification (UNCLASS, SECRET, TS, SIC) on a single network
- \*\* Ability to send organizational messages from the desktop.

OT-Mar 97 IOT&E-Aug 97 MS III-Sep 97

Successful completion of IOT&E. MSIII scheduled for 30 Sep 97.

Exhibit P-5, Weapon		Appropriation/ Brocuremen	-	y/Serial No: orps (1109) / Comr	nunications and		em Nomenclature:	SYSTEM (DMS) (A	44402)	Weapon System	Type:	Date: Septe	ember 1997
WPN SYST Cost Analysis	•			Equipment (4) / 0									
Weapon System Cost Elements	ID CD		1		TotalCost	FY 97 Qty	UnitCost	TotalCost	FY 98 Qty	UnitCost	TotalCost	FY 99 Qty	UnitCost
COST Elements	OD				\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
DMS					1967			3818			1593		
TRAVEL					10			50			50		
FACTORY TRAINING					220			1083			1121		
NETWORK INSTALLATION					1361			1720			1288		
SITE SURVEYS					412			628			373		
CONTRACTOR SUPPORT					274			172			175		
TOTAL					4244			7471			4600		
			I	I			1	Ī					

Manassas, VA	M (DMS) (A Specs Avail Now? YES YES		RFP Iss n Date
Procurement, Marine Corps (1109) / Communications and Electronic Fquinment (4) / 038  BS Cost Elements:  Contract Method and Type  Contract Method and Type  Lockheed-Martin Manassas, VA  EY98  Lockheed-Martin Manassas, VA  Lockheed-Martin Manassas, VA  Lockheed-Martin Manassas, VA  Lockheed-Martin Manassas, VA  Lockheed-Martin Manassas, VA  Lockheed-Martin Manassas, VA  Lockheed-Martin Manassas, VA  Lockheed-Martin Manassas, VA  Lockheed-Martin Manassas, VA  EY99  Lockheed-Martin Manassas, VA  Lockheed-Martin Manassas, VA  Lockheed-Martin Manassas, VA  Lockheed-Martin Manassas, VA  Lockheed-Martin Manassas, VA  Lockheed-Martin FFP/O USAF  Jan-99 May-99 LOT VAR  STPPO USAF  Jan-99 May-99 LOT VAR	Specs Avail Now? YES YES	Date Revs Avail	RFP Iss n Date
Contract Method and Type  Lockheed-Martin Manassas, VA Lockheed-Martin Manassas, VA Lockheed-Martin Manassas, VA Lockheed-Martin Manassas, VA Lockheed-Martin Manassas, VA Lockheed-Martin Manassas, VA Lockheed-Martin Manassas, VA Lockheed-Martin Manassas, VA Lockheed-Martin Manassas, VA Lockheed-Martin Manassas, VA Lockheed-Martin Manassas, VA Lockheed-Martin Manassas, VA Lockheed-Martin FFP/O USAF  FY99  Lockheed-Martin FFP/O USAF  Jan-99  May-99  LOT  VAR	Specs Avail Now? YES YES	Date Revs Avail	RFP Iss n Date
Method and Type  Method and Type  Method and Type  Method and Type  Method and Type  Method and Type  Method and Type  Delivery  Each  SOOO  VAR  Manassas, VA  Lockheed-Martin Manassas, VA Lockheed-Martin Method and Type  Delivery  Each  VAR  Manassas, VA  Lockheed-Martin Method and Type  Delivery  Each  VAR  Manassas, VA  FFP/O USAF  Jan-98  May-98  LOT  VAR  FFP/O USAF  Jan-99  May-99  LOT  VAR	Avail Now? YES YES	Revsi Avail	n Date
MS FY97 Lockheed-Martin Manassas, VA Lockheed-Martin FFP/O USAF Apr-97 Dec-97 LOT VAR Manassas, VA FY98 Lockheed-Martin Manassas, VA Lockheed-Martin FFP/O USAF Jan-98 May-98 LOT VAR May-99 LOT VAR	YES	Avail NO	I
EY97 Lockheed-Martin FFP/O USAF Apr-97 Dec-97 LOT VAR Manassas, VA Lockheed-Martin FFP/O USAF Jan-98 May-98 LOT VAR Manassas, VA EY99 Lockheed-Martin FFP/O USAF Jan-99 May-99 LOT VAR	YES		Feb-
Manassas, VA Lockheed-Martin Manassas, VA Lockheed-Martin FFP/O USAF Jan-98 May-98 LOT VAR FY99 LOCkheed-Martin FFP/O USAF Jan-99 May-99 LOT VAR	YES		Feb-
EY98 Lockheed-Martin FFP/O USAF Jan-98 May-98 LOT VAR Manassas, VA Lockheed-Martin FFP/O USAF Jan-99 May-99 LOT VAR		VEC	
Manassas, VA  EY99 Lockheed-Martin FFP/O USAF Jan-99 May-99 LOT VAR		VEC	
FY99 Lockheed-Martin FFP/O USAF Jan-99 May-99 LOT VAR		1	Oct-9
Manassas, VA	YES	YES	Oct-9

Bli No. 463400

	Exhibi	t P-40, Budget I	tem Justific	cation Shee	i		Date:		September 1997		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Ma	rine Corps (1109) / Communications	and Electronic Equipment (	4) / 039				COMM/ELE	C INFRASTRUCTU	RE (P44448)		
Program Elements for Code B	Items:		Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			56.0	37.8	53.6	59.8	50.5	39.3	24.9		322.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			56.0	37.8	53.6	59.8	50.5	39.3	24.9		322.0
Initial Spares											
Total Proc Cost			56.0	37.8	53.6	59.8	50.5	39.3	24.9		322.0
Flyaway U/C											
Wpn Sys Proc U/C											1
The Marine Corps C	communication/Electronic	Infrastructure Sur	oport program	n is an aggrega	ation of inter-re	elated data pr	ocessing disc	iplines. The o	overall objecti	ve is to	

achieve modernization and increase processing capacity, both of which are required to allow continued operation of existing automated information systems and the implementation of new corporate information management (CIM) automated information systems (AIS) to support all functional areas. The Marine Corps has a continuing need to upgrade its computer equipment and system software by replacement or augmentation in order to keep pace with user demands and changing technology.

1. NETWORKING INFRASTRUCTURE: The Marine Corps ADP support is comprised of several components including small systems computer equipment, proprietary system software products, the Marine Corps Wide Standard Network Operating System and mainframe connectivity. This support environment was revamped. For the foreseeable future, legacy system ADP support will be provided to the Fleet Marine Forces and supporting establishments by the Defense Mega-Center (DMC) in St.

Louis, Missouri. This support structure emphasizes distributed computing capabilities in a client-server architecture. In addition, there is an ongoing requirement to maintain the Marine Corps enterprise network infrastructure to support DoD sponsored and Marine Corps unique client-server applications. Types of equipment purchased include routers for SIPRNET, NIPRNET and DoD migration systems, Network Management Software Tools, File Server and Enterprise Back-up-Restore Software. This line was formerly identified as two separate lines (Regional Computing and System Software). The lines were consolidated to better accommodate emerging technology.

FY96 PROCUREMENT IN BLI 494200

		Date:
Exhibit P-40, Budget Item Justification Sheet		September 1997
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 039		COMM/ELEC INFRASTRUCTURE (P44448)

2. TACTICAL SYSTEM SUPPORT EQUIPMENT: Required equipment and support for the Marine Corps Tactical System Support Activity's effort on Life Cycle Software (LCSS) for tactical systems. Investment items are essential to form the basis of software support for the Marine Corps tactical data systems that are fielded.

## FY96 PROCUREMENT REPORTED IN BLI 494200

3. ASSET TRACKING LOGISTICS AND SUPPLY SYSTEM (ATLASS): ATLASS involves the migration of Marine Corps intermediate and consumer level supply and maintenance from a mainframe into in a personal computer application using a networked client-server environment. ATLASS Phase II+ consolidates the total force intermediate and consumer level supply and maintenance information management functions into a single material management system. ATLASS Phase II+ is a client-server based supply maintenance and material readiness AIS that is readily deployable. ATLASS Phase II+ supports any size deployment and retains flexibility to exploit existing commercial and government off-the-shelf software. This system is compliant with MAGTF C4I concept, GCCS COE, and published DOD standards for open systems architecture.

## FY96 PROCUREMENT REPORTED IN BLI 494200

4. MANPOWER AND RESERVE AFFAIRS ADP: This centrally managed program will procure a prototype Document Imaging Equipment and Integration System for the M&RA Department. This program will transform documents from paper to electronic format and reduce storage space plus make these records available throughout M&RA via the Local Area Network.

## FY96 PROCUREMENT REPORTED IN BLI 494200

5. MAGTF LOGISTICS INFRASTRUCTURE: A family of microcomputers that provide the operating forces the necessary tools to support both deliberate and crisis action situations from initiation and mobilization/deployment through employment in an area of responsibility. MAGTF LOG AIS provides core deployment planning and execution capability. It supports Joint Service efforts (TCAIMS and MDSSII are Joint Migration Systems). It is key contibutor to USMC Total Asset Visibility (barcode and radio frequency technology). Provides key elements of GCCS functionality (MAGTF II feeds into JOPES). MAGTF LOG AIS supports \$10 Billion of material.

Exhibit P-40C Budget I	tem Justifi	cation Sheet	:	Date September 1997
Appropriation / Budget Activity/Serial No.			P-1 Item Nomenclature	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)	/ 039			COMM/ELEC INFRASTRUCTURE (P44448)
Program Elements for Code B Items	Code	Other Related Prog	ram Elements	
6. OPTICAL DIGITAL IMAGING (ODI-RMS): Provides the Marine	Corps the ab	pility to process,	store and retrieve Office	ial Military Personnel Files for all active and reserve
Marines in an Optical Digital Imaging (ODI) format. The use of this	advanced tec	chnology will red	duce the current cost of	maintaining these records, virtually eliminate their loss
and provide multiple users simultaneous access. An initial investme	ent of \$8M in	this ODI techno	ology will potentially prov	ride cost avoidance of \$46M in operating expenses
over a 10-year life cycle.				
FY96 PROCUREMENT REPORTED IN BLI 494200				
7. JOINT RECRUITING INFORMATION SUPPORT SYSTEMS (J to prospecting at the canvassing recruiter level. Some of the benifit (DEP) tracking, enlistment criteria expert system, electronic distributew. JRISS will be a joint system with all services sharing standardithe unique recruiting practices of each armed service.	s include one tion of leads,	time data entry electronic interf	r, forms generation, auto ace with MEPS, other s	omated activity reporting, Delayed Entry Program ervices and relevent outside agencies, to name only a
FY96 PROCUREMENT REPORTED IN BLI 494200				
8. MANPOWER AUTOMATED INFORMATION SYSTEMS SUPP support ongoing RDT&E projects and for the replacement of existing makers and planners throughout M&RA in support of the manpower MAISS, serious degradation of modeling and system's support exist leads to poor manpower forecasting and management with the ultimesticate the support of the s	g hardware/sor process. The talong with a	oftware as it rea ne ability to exec loss of immedia	aches the end of its serv cute the manpower product ate access to historical of	rice life. This funding is required to support decision cess is critical to the mission of M&RA. Without data necessary for day-to-day decision making. This
9. ELECTRONIC DATA INTERCHANGE (EDI): Defense Manage implement EDI in the next five years. EDI is the automated exchan modernized, procedural bottlenecks corrected, and overhead costs information electronically.	ge of electron	nic forms, instea	ad of paper. Through El	DI, the Marine Corps basic business systems can be

FY96 PROCUREMENT REPORTED IN BLI 494200

tem Justification Sheet		September 1997
	P-1 Item Nomenclature	
/ 039		COMM/ELEC INFRASTRUCTURE (P44448)
Code Other Related Progr	ram Elements	
ride users access to worldwice ations infrastructure consists demand. Telephone systems host telephone systems will be for each MISSO for LAN suppowers acceptance Advisory Notices, Trails, Record of Emergency Distatements, computer based each for MISSO 02, 03, 06, 00 was by the Manpower Information ort to all regional reporting uniting uniting the local theater of provides the visual extract file ty and limited mobilization date.	de information systems such as of a fiber optic backbone, multips will use Integrated Switched D be upgraded to year 2000 composition order to hold the large vavel Advisory Notices, Pay and Data, Basic Individual Records, Indi	the Defense Informations Systems Network, the olexers and high speed transmission equipment igital Network (ISDN) technology to provide oliance under this program.  Tolume of information required for accessing Allowances Notices, Systems Assurance Basic Training Records, Reserve Basic Individual nuch better service to support contingency the PA School. Servers can be provided from on-hand and, Kansas City, has shown that providing each dependency on use of mainframe connectivity. Tolyed MISSO normally is deployed and co-located the MISSO supports a minimum of 25, 000 Marines or and administrators to see near real time trines and supports and annual amount of 16 million
f or it is a different of the second of the	Code Other Related Progression Code Other Related Progression Code Other Related Progression Code Statements (Code Code Code Code Code Code Code Code	P-1 Item Nomenclature / 039

Exhibit P-5, Weapon		Appropriation/ Bu	-				m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis				rps (1109) / Comn Equipment (4) / 03		CON	/IM/ELEC INFRAS	STRUCTURE (P44	448)			Septe	ember 1997
Weapon System	ID			1-1(7		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
BASE TELECOM INFRASTRUCTURE					\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
NETWORK INFRASTRUCTURE					32051 12055			17509 14006			16558 19577		
MCTFS-UDMIPS MISSO SERVER					12000			346			356		
MANPOWER AUTOMATED INFO SYS								501			498		
ATLASS								4044			10806		
MAGTF LOGISTICS AUTOMATED INFO SYS TACTICAL SYSTEM SUPPORT (MCTSSA)					1185			865			5853		
MANPOWER AND RESERVE AFFAIRS					191								
ELECTRONIC DATA INTERCHANGE (EDI)					75								
DPRIS-ODI-RMS					851			538					
JRISS SURF EAGLE *					8610								
SURF EAGLE					1000								
TOTAL					56018			37809			53648		
* Funding Transferred From Operations And Maintenance													
TOTAL													

E.J.T.	'A D. Fo. Devilerat Devilerance	-4.112-4	and Diameters					Date:	Date Revsn Avail  S N/A S N/A S N/A S N/A	
	it P-5a, Budget Procureme	Nt HISTORY a			D. 4 11 11	N 1.		September 1	1997	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electro Equipment (4) / 039	onic	weapon Sysi	ет туре:		P-1 Line Item	Nomenclatur COMM/E		NFRASTRUCTURE (P4448)   Unit Cost	4448)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost		E (P44448) Decs Date Revsn Avail  ES N/A ES N/A ES N/A ES N/A ES N/A ES N/A ES N/A ES N/A ES N/A ES N/A ES N/A ES N/A ES N/A ES N/A	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
NETWORKING INFRASTRUCTURE										
FY 97	VARIOUS	C/FFP	SYSCOM/GSA	May-97	Jun-97	VAR	12055	YES	N/A	
FY 98	VARIOUS	C/FFP	SYSCOM/GSA	Jan-98		VAR				
FY 99	VARIOUS	C/FFP	SYSCOM/GSA	Jan-99		VAR				
TACTICAL SYSTEM SUPPORT EQUIPMENT										
FY 97	VARIOUS	C/FFP	VARIOUS	Jun-97	Jul-97	VAR	1185	YES	N/A	
ATLASS										
FY 98	VARIOUS	C/FFP	NAVMASSO	Feb-98	Jun-98	VAR	4044	YES	N/A	
FY 99	VARIOUS	C/FFP	NAVMASSO	Mar-99		VAR	10806	YES	N/A	
M&RA										
FY 97	FED SIM, WDC	C/FFP	LBC/FED SIM	May-97	Jun-97	VAR	191	YES	N/A	
MAGTF LOGISTICS INFRASTRUCTURE										
FY 98	IH COMPUTER STORE	C/FFP	SYSCOM/CCR	Oct-97	Nov-97	VAR	865	YES	N/A	
FY 99	AIT CONTRACT	C/FFP	SYSCOM/DOT	Oct-98	Nov-98	VAR	3195	YES	N/A	
FY 99	IH COMPUTER STORE	C/FFP	SYSCOM/CCR	Oct-98	Nov-98	VAR	2658		N/A	
ODI										
FY 97	VARIOUS	C/FFP	LBC	Jan-97	Mar-97	VAR	851	YES	N/A	
FY 98	VARIOUS	C/FFP	LBC	Nov-97	Jan-98	VAR	538	YES	N/A	
JRISS										
FY 97	VARIOUS	C/FFP	ARMY	Aug-97	Sep-97	VAR	8610	YES	N/A	
MAISS										
FY 98	VARIOUS	C/FFP	LBC/AR	Jan-98	Apr-98	VAR	501	YES	N/A	
FY 99	VARIOUS	C/FFP	LBC	Jan-99		VAR	498		N/A	
EDI										
FY 97	VARIOUS	C/FFP	LBC	Apr-97	Aug-97	VAR	75	YES	N/A	

Evhikit	D. E. Budget Breeurement	Listonia	and Dianning					Date:		
	P-5a, Budget Procurement	Weapon Syst			D. d. Line Hear	Name and design		S	eptember	1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 039		weapon Syst	ет туре:		P-1 Line Item	Nomenclature COMM/EL	e: LEC INFRASTRUC	ΓURE (P4	1448)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
BASE TELECOMMUNICATION INFRASTRUCTURE										
TY 97 CAMP KINSER REPLACE TELE SYSTEM	NORTEL, RICHARDSON, TX	C/FFP	AIRFORCE	Mar-97	Jun-97	1	1700	YES	N/A	
Y 97 LEJEUNE TELE & TRANSMISSION	GTE, CHANTILLY, VA	C/FFP	ARMY	Feb-97	Jun-97	1	19441	YES	N/A	
FY 97 29 PALMS UPGRADE SWITCH	LOCAL CONTRACT	C/FFP	USMC	Apr-97	Jul-97	1	936	YES	N/A	
FY 97 PENDLETON TELE SYSTEM UPGRADE & UPGRADE OF SONET RING 1, 2, & 3 ON THE	GTE, CHANTILLY, VA	C/FFP	ARMY	Dec-96	Apr-98	1	9974	YES	N/A	
TRANSMISSION BACKBONE										
FY 98 OKINAWA & MAINLAND JAPAN	GTE, CHANTILLY, VA	C/FFP	ARMY/AIRFORCE	Jan-98	Apr-98	1	8709	YES	N/A	
ELEPHONE SYSTEMS UPGRADE  Y 98 PENDLETON INSTALL RING 4 ON THE	GTE, CHANTILLY, VA	C/FFP	ARMY	Jan-98	Apr-98	1	8800	YES	N/A	
FRANSMISSION BACKBONE, UPGRADE COPPER	OTE, OF MATTLE 1, VA	0,111	7 U UW I	July 30	7 (5)		0000	120	14// (	
CABLE AND MANHOLE CONDUIT SYSTEM AND										
CONNECT ADDITIONAL BUILDINGS TO FIBER										
OPTIC BACKBONE WITH SINGLE MODE FIBER										
FY 99 OKINAWA & MAINLAND JAPAN	MILCOM SYSTEMS, VA BCH	C/FFP	NAVY	Jan-99	Apr-99	1	11558	YES	N/A	
TRANSMISSION SYSTEM UPGRADE	ŕ									
FY 99 Y2K TELEPHONE COMPLIANCE YUMA,	GTE, CHANTILLY, VA	C/FFP	ARMY	Jan-99	Apr-99	1	5000	YES	N/A	
29 PALMS, QUANTICO AND CHERRY POINT										
MCTFS-UD/MIPS MISSO SERVER										
FY 98	GTSI, CHANTILLY, VA	C/FFP	MCSA, KC	Jan-98	Apr-98	VAR	346	YES	N/A	
FY 99	UNKNOWN	C/FFP	LBC	Jan-99	Apr-99	VAR	356	YES	N/A	
					·					

	Exhibit P-	40, Budget It	tem Justific	cation Shee	t		Date:		September 1997		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:	-				
Procurement, Mar	rine Corps (1109) / Communications and E	lectronic Equipment (4	4) / 040				MODFICAT	TION KITS MAGTE O	C4I (P44623)		
Program Elements for Code B I	tems:		Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			54.5	23.0	27.9	33.3	35.9	7.3	2.8	Cont	Cont
Plus CY Adv Proc											
Net Proc (P-1)			54.5	23.0	27.9	33.3	35.9	7.3	2.8	Cont	Cont
Initial Spares				0.8	7.5	2.0	2.2	3.3	3.3	Cont	Cont
Total Proc Cost			54.5	23.8	35.4	35.3	38.1	10.6	6.0	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Modifications budgeted under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded or to increase operational capabilities of non-telecommunication end items previously fielded.

This funding profile includes radar modifications which improve mean time between failure rates and enhance performance characteristics. The Direct Air Support Central (DASC) Product Improvement Program (PIP) is a non-developmental effort which will incorporate selected automation and existing hardware from the AN/TSQ-155(V), Improved Direct Air Support Central (IDASC), and the OE-334 Antenna Coupler Group into lightweight, highly mobile shelters. Improved capabilities include automated interfaces to the Digital Communications Terminal (DCT), Advanced Tactical Air Command Central (ATACC), Position Location Reporting System (PLRS), Advanced Field Artillery Tactical Data System (AFATDS), and Tactical Combat Operations (TCO). The COMSEC Cable line is in support of various security systems being fielded including the KY-99 MINTERM, the Electronic Key Management System, the Data Transfer Device, and the STU-III. COMSEC cables will interface with various communication devices to include radios, switches, and computers and will provide secure transmissions at all times. The MRC-142 is an Ultra-High Frequency (UHF) Digital Wideband Transmission System Radio Terminal Set used at the Marine Expeditionary Force, Division, Wing, and Force Service Support Group. It provides medium range, medium capacity, multi-channel trunking required by deployed forces to interconnect the Unit Level Circuit Switch (ULCS). The system is capable of providing up to two separate UHF radio paths in the 1350-1950 MHZ range, using line-of-sight for distances up to 35 miles, for interconnection of digital trunk groups at 144, 288, or 576 Kbps over a maximum of 36 channels.

The pre-planned product improvement (PIP) for an uninterrupted power source (UPS) will enable the MRC-142 to maintain reliable communication in the event of external or vehicular power failure. With the Marine Corps moving into the digital battlefield arena, the digital information carried by the MRC-142 will affect more than just this system (depending on the location of the MRC-142, an entire network of operations may be affected.)

Item No. 28 Page 1 of 15

		Date:
Exhibit P-40, Budget Item Justification Sheet		September 1997
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 040		MODFICATION KITS MAGTF C4I (P44623)

The MEWSS PIP is an Electronic Warfare (EW) suite of equipment configured in the highly mobile, survivable Light Armored Vehicle. This program develops a material change for the current, outdated EW suite. Threat tactical communciations have advanced to complex modulations requiring computer intensive, open architecture solutions. MEWSS fulfills the requirement to provide responsive EW support to maneuver commanders by enhancing the ability to defeat the enemy by isolating and suppressing opposing fire control and command and control nets at a critical point in the battle. MEWSS will provide detection, location and demodulation of advanced tactical communications. MEWSS incorporates the U.S. Army's Intelligence and Electronic Warfare Common Sensor (IEWCS) electronics.

MOD	INSTALLATION AGENT	INSTALLATION
AN/TPS-59 RADAR MOD (97)	FIELD	BEGIN SEP 98/END AUG 99
IDASC PIP	FIELD	BEGIN MAY 97/END FEB 03
COMSEC CABLES	FIELD	BEGIN JAN 97/END SEP 03
AN/MRC-142 PIP	FIELD	BEGIN JUL 99/END JAN 00
MEWSS-PIP	LM FEDERAL SYS	BEGIN JAN 97/END JUL 02
	OWEGO, NY	

MODELS OF SYSTEMS AFFECTED: MODIFICATION KITS (MAGTF C4I)

MODIFICATION TITLE	FY1997	FY1998	FY1999
COMSEC CABLES	0.552	0.973	1.000
AN/TPS-59 ECP'S	38.711	5.937	8.507
AN/MLQ-36A (MEWSS)	11.120	14.672	15.113
DASC MOD	4.084	1.392	1.432
AN/MRC 142 PIP (UPS)	0.000	0.000	1.890

	Exhibit	P-40C Budget I	tem Justifica	ation Sheet		D	Pate		September 1997		
Appropriation / Budget Acti					-1 Item Nomenclature				,		
Procuremen	nt, Marine Corps (1109) / Communications ar	nd Electronic Equipment (4)	/ 040				MODFICATIO	ON KITS MAGTF C4I	(P44623)		
Program Elements for Cod	le B Items		Code	Other Related Program	n Elements						
Description	12	Fiscal Years									
OSIP NO.	Classification		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TC	Total
COMSEC CABL			0.0	4.0	4.0	4.0	4.4	4.4	4.4	0	0
AN/TEG DADAE	1 EFFICIENCY		0.6	1.0	1.0	1.0	1.1	1.1	1.1	Cont	Cont
AN/TPS RADAF			00.7			0.0	2.0	0.0		<b>0</b>	
	2 EFFICIENCY		38.7	5.9	8.5	8.0	9.8	0.0	0.0	Cont	Cont
MOBILE ELECT	TRONIC WARFARE SUPP	ORI SYSTEM (	•								
	3 EFFICIENCY		11.1	14.7	15.1	22.6	23.4	4.6	0.0	Cont	Cont
AN/TSQ-155V II	MPROVED DASC (IDASC	(i) OE-334 ANTE								_	_
	4 EFFICIENCY		4.1	1.4	1.4	1.6	1.6	1.6	1.6	Cont	Cont
MRC-142 PRE-	PLANNED PRODUCT IMP	PROVEMENT (P	•								
	5 EFFICIENCY		0.0	0.0	1.9	0.1	0.0	0.0	0.0	Cont	Cont
Totals			54.5	23.0	27.9	33.3	35.9	7.3	2.8	Cont	Cont

Exhibit P-5, Weapon		Appropriation/ Bu Procurement	•	y/Serial No: orps (1109) / Comr	munications and		m Nomenclature: DFICATION KITS	MAGTF C4I (P446	623)	Weapon System	Type:	Date: Sept	ember 1997
WPN SYST Cost Analysis		1 100010111011		Equipment (4) / 0			5110/1110/111110		,			·	
Weapon System	ID		r			FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
COMSEC CABLES CONTRACTOR SUPPORT SUBTOTAL					477 75 <b>552</b>			898 75 <b>973</b>			925 75 1 <b>000</b>		
AN/TPS-59 ECPs AN/TPS-59 TACTICAL MISSILE DEFENSE (TMD) MARINE COMMON HARDWARE SUITE ANTENNA ARRAY KITS ECP MOD KITS TRAINING DEVICES PRODUCTION UPGRADE KITS					33522	7	4788857	2400	33	72727	3095 338 2195	4	77375
INSTALLATION TRAVEL CONTRACTOR SUPPORT ILS DATA SUBTOTAL AN/MLQ 36 (A) (MEWSS) INSTALLATION SUBTOTAL					2462 100 250 2377 <b>38711</b> 11120	2	1231000 5560000	54 245 3238 <b>5937</b> 12272 2400 <b>14672</b>	2	6136000	865 62 250 1702 <b>8507</b> 12713 2400 <b>15113</b>	2	635650
IDASC (OPS SHELTER) DOWNSIZING PIP VOICE COMM SYSTEM AUTOMATION UPGRADE SATCOMM RADIOS GENERAL SUPPORT INSTALLATION SUBTOTAL					2591 1249 144 100 <b>4084</b>	12 12	215917 104083	677 313 298 104 <b>1392</b>	10	31349	692 320 313 107 <b>1432</b>	10	3204
MRC-142 INSTALLATION KITS TRAVEL INTEGRATED LOG SUPPORT TRAINING SUPPORT SUBTOTAL											1458 73 29 268 62 <b>1890</b>	486	300
Total Cost Active Reserve					<b>54467</b> (44867) (9600)			<b>22974</b> (22578) (396)			<b>27942</b> (27744) (198)		

	Fubilit D So Dudost Decomposit		and Diameir -					Date:		
	Exhibit P-5a, Budget Procurement							S	eptember	1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications	and Electronic	Weapon Syst	em Type:		P-1 Line Item	Nomenclature				
Equipment (4) / 040	salu Liectionic					MODFIC	ATION KITS MAGT	F C4I (P44	1623)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
COMSEC CABLES 1/										
FY 97	TRACOR CHESAPEAKE VA	C/FFP	NISE EAST	Jan-97		VAR	552000		NO	
FY 98	TRACOR CHESAPEAKE VA	C/FFP	NISE EAST	Jan-98	Aug-98	VAR	973000	YES	NO	
FY 99	TRACOR CHESAPEAKE VA	C/FFP	NISE EAST	Jan-99	Aug-99	VAR	1000000	YES	NO	
AN/TPS-59 TMD KITS	LM CORP	FFP	SYSCOM	Dec-96	Sep-98	7	4788857	YES	NO	
FY 97	SYRACUSE, NY									
PRODUCTION UPGRADE	LM CORP	FFP	SYSCOM	Feb-97	Sep-98	2	1231000	YES	NO	
FY 97	SYRACUSE, NY									
MARINE COMMON SUITE	LM CORP	FFP	SYSCOM	Oct-97	Jul-98	33	72727	YES	NO	
FY 98	SYRACUSE, NY									
ANT ARRAY UPGRADE KITS	LM CORP	FFP	SYSCOM	Jan-99	Jul-99	4	773750	NO	NO	
FY 99	SYRACUSE, NY									
IDASC (OPS SHELTER)	NSWC CRANE, IN	C/FFPO	NSWC CRANE	Feb-97	May-97	12	215917	YES	NO	
FY 97										
VOICE COMM	EASTERN COMPUTERS	FFP	SYSCOM	Feb-97	May-97	12	104083	YES	NO	
FY 97										
SATCOM RADIOS										
FY 98	тво	FFP	SYSCOM	Oct-97	Jan-98	10	31349	YES	NO	
FY 99	TBD	FFP	SYSCOM	Oct-98	Jan-99	10	32046	YES	NO	
MRC-142 PIP/FY-99	NSWC DAHLGREN	WR	DAHLGREN	Jan-99	Apr-99	486	3000	YES	NO	
MEWSS AN/MLQ-36 2/										
FY 97	LOCKHEED MARTIN FED SYS	FFP/	CECOM	Jan-97	Dec-98	2	5560000	YES	NO	
	OWEGO, NY	STED O	FORT MONMOUTH, N.J.							
FY 98	LOCKHEED MARTIN FED SYS	FFP/	CECOM	Jan-98	Oct-99	2	6136000	YES	NO	
	OWEGO, NY		FORT MONMOUTH, N.J.	1		_	2.00000			
FY 99	LOCKHEED MARTIN FED SYS		CECOM	Jan-99	Oct-00	2	6356500	YES	NO	
👓	OWEGO, NY		FORT MONMOUTH, N.J.				2300000	0	''`	
	O ** LOO, 141	UILDU	. C.C. MONIOCHI, N.J.	_1						<u> </u>

## REMARKS:

<sup>1/</sup> COMSEC CABLES: UNIT COST REPRESENTS TOTAL DOLLAR AMOUNT. DIFFERENT CABLES/ ANCILLARIES AT VARIOUS QUANTITIES ARE BEING PURCHASED ON ONE CONTRACT.

<sup>2/</sup> MEWSS AN/MLQ-36(A) UNIT COST IN FY98 AND FOLLOWING INCLUDES ELECTRONIC ATTACK MODULE

INDIVIDUAL MODIFICATION Date September 1997 COMSEC CABLES 0001 MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: EKMS, DTD, STU III, KY-99, KG-84, KY-90 DESCRIPTION / JUSTIFICATION: THE COMSEC CABLE PROGRAM IS A CONTINOUOUS EFFORT TO PROVIDE ANCILLARIES TO SUPPORT NEW EQUIPMENT FIELDING AND FIELDED COMSEC DEVICES. NEW ANCILLARIES ARE REQUIRED WHEN OUTDATED COMSEC EQUIPMENT IS REPLACED AND PREVIOUSLY UNDEFINED INTERFACE REQUIREMENT ARE IDENTIFIED BETWEEN COMSEC DEVICES AND MGTF C4I COMMUNICATIONS EQUIPMENT, KY-99, KG-84,KY-90 DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A Installation Schedule: Pr Yr FY 1997 FY 2001 FY 1998 FY 1999 FY 2000 Totals Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTATION: FIELD INSTALLED ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 7 Months Contract Dates: FY 1997 JAN97 FY 1998 JAN98 FY 1999 JAN99 Delivery Date: FY 1997 AUG97 FY 1998 AUG98 FY 1999 AUG99

				IN	IDIVIDUA	L MOD	IFICATIO	N						[	Date		Septem	nber 1997	
MODIFICATION TITLE (Cont):	C	OMSE	C CABI	_ES 00	001														
FINANCIAL PLAN: (\$ in Millions)	FY 1996	1																	
	and Prior		1997		1998		1999		2000	FY 20			2002	FY 2			ГС		TAL
	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT																			
Kit Quantity		VAR		VAR		VAR													
Inst Kits, Nonrecurring																			
Equipment, Nonrecurring			0.477		0.898		0.925		0.946		0.978		1.000		1.036		Cont.		Cont.
ECO INTERN CONTRACTOR SUPPORT Other			0.075		0.075		0.075		0.085		0.085		0.095		0.095		Cont.		Cont.
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits FY 2003 Eqpt kits FY 2003 Eqpt kits (FY(TC) Eqpt (xx kits)																			
Installment Cost																			
Total Procurement Cost			0.552		0.973		1.000		1.031		1.063		1.095		1.131		Cont.		Cont.

INDIVIDUAL MODIFICATION Date September 1997 AN/TPS RADAR SYSTEM 0002 MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: THIS MODIFICATION IS TO CORRECT DEFICIENCIES IDENTIFIED BY THE FLEET AND PROCURE MINOR IMPROVEMENTS TO THE AN/TPS-59 ECPs/TMD UPGRADE DESCRIPTION / JUSTIFICATION: THIS MODIFICATION IS TO CORRECT DEFICIENCIES IDENTIFIED BY THE FLEET AND PROCURE MINOR IMPROVEMENTS TO THE AN/TPS-59 RADAR SET. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2001 FY 2000 Totals Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 То Totals Complete Inputs Outputs METHOD OF IMPLEMENTATION: FIELD INSTALLED ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 17 Months Contract Dates: FY 1997 DEC96 FY 1998 OCT97 FY 1999 JAN99 Delivery Date: FY 1997 SEP98 FY 1998 JUL98 FY 1999 JUL99

INDIVIDUAL MODIFICATION Date September 1997 AN/TPS RADAR SYSTEM 0002 MODIFICATION TITLE (Cont): FINANCIAL PLAN: (\$ in Millions) FY 1996 and Prior FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 TOTAL Qty Qty Qty Qty Qty Qty Qty Qty Qty Qty \$ \$ \$ \$ \$ \$ \$ \$ \$ RDT&E PROCUREMENT Kit Quantity 9 33 54 4 Inst Kits, Nonrecurring Equipment, Nonrecurring 35.984 2.400 3.095 7.108 8.582 57.169 ECO Other 2.727 3.537 5.412 0.900 1.200 13.776 Installation of Hardware FY 1996 & Prior Eqpt -- Kits FY 1997 Eqpt -- Kits FY 1998 Eqpt -- Kits FY 1999 Eqpt -- Kits FY 2000 Eqpt -- kits FY 2001 Eqpt -- kits FY 2002 Eqpt -- kits FY 2003 Eqpt -- kits (FY(TC) Eqpt (xx kits) Installment Cost **Total Procurement Cost** 38.711 5.937 8.507 8.008 9.782 70.945

INDIVIDUAL MODIFICATION Date September 1997 MOBILE ELECTRONIC WARFARE SUPPORT SYSTEM (MEWSS) 0003 MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: Mobile Electronic Warfare Support System (AN/MLQ-36) PIP DESCRIPTION / JUSTIFICATION: The MEWSS PIP is an Electronic Warfare (EW) suite of equipment configured in the highly mobile, survivable Light Armored Vehicle. This program develops a material change for the current, outdated EW suite. Threat tactical communications have advanced to complex modulations requiring computer intensive, open architecture solutions. MEWSS fulfills the requirement to provide responsive EW support to maneuver commanders by enhancing the ability to defeat the enemy by isolating and suppressing opposing fire control and command and control nets at a critical point in the battle. MEWSS will provide detection, location and demodulation of advance tactical communications. MEWSS incorporates the U.S. Army's Intelligence and Electronic Warfare Common Sensor (IEWCS) electronics. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: PHASE II -ENGINEERING DEVELOP MODEL (EDM) 4TH QTR FY97 DEVELOPMENTAL TEST AND EVAULATION (DT&E) 4TH QTR FY97 MS11 A-LOW RATE INITIAL PRODUCTION (LRIP) 2ND QTR FY97 INITIAL OPERATIONAL TESTING AND EVALUATION 3QTR FY98 MS III FULL RATE PRODUCTION 4TH QTR FY98 Installation Schedule: Pr Yr FY 1999 FY 2000 FY 2001 FY 1997 FY 1998 Totals 2 1 2 3 Inputs 2 Outputs 2 FY 2002 FY 2003 FY 2004 FY 2005 То Totals Complete Inputs 3 Cont Cont Cont Cont Outputs METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: PRODUCTION LEADTIME: 3 Months 24 Months Contract Dates: FY 1997 JAN97 FY 1998 JAN98 FY 1999 JAN99 Delivery Date: FY 1997 DFC98 FY 1998 OCT99 FY 1999 OCT00

INDIVIDUAL MODIFICATION Date September 1997 MOBILE ELECTRONIC WARFARE SUPPORT SYSTEM (MEWSS) 0003 MODIFICATION TITLE (Cont): FINANCIAL PLAN: (\$ in Millions) FY 1996 and Prior FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 TOTAL Qty Qty Qty Qty Qty Qty \$ \$ Qty \$ \$ Qty \$ Qty \$ \$ Qty \$ \$ RDT&E PROCUREMENT 2 3 12 3 Kit Quantity Inst Kits, Nonrecurring Equipment, Nonrecurring 11.120 12.272 12.713 20.226 19.791 1.008 77.130 ECO Other Installation of Hardware FY 1996 & Prior Eqpt -- Kits FY 1997 Eqpt -- Kits 2.400 FY 1998 Eqpt -- Kits 2.400 FY 1999 Eqpt -- Kits 2 2.400 FY 2000 Eqpt -- kits 3 3.600 FY 2001 Eqpt -- kits 3 3.600 FY 2002 Eqpt -- kits FY 2003 Eqpt -- kits (FY(TC) Eqpt (xx kits) Installment Cost 2.400 2.400 2.400 3.600 3.600 **Total Procurement Cost** 2 11.120 2 14.672 2 15.113 2 22.626 3 23.391 3 4.608

INDIVIDUAL MODIFICATION Date September 1997 AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA COUPLER 0004 MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA DESCRIPTION / JUSTIFICATION: EQUIPMENT PROCURED UNDER THIS EFFORT WILL BE MODULAR AND ALLOW THE SYSTEM TO BE TASK ORGANIZED AND OPERATED IN THE AN/TSQ-207 HIGH MOBILITY DOWNSIZED DASC (WHICH REPLACED THE AN/TSQ-155(V) AND OE-334 ANTENNA COUPLER GROUP SHELTERS) OR EXTERNAL TO THE DASC OPERATIONS SHELTERS. IMPROVED CAPABILITIES INCLUDE AUTOMATED INTERFACES TO THE DCT, ATACC, PLRS, AFATDS, AND TCO. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals 2 1 Inputs Outputs FY 2002 FY 2003 FY 2005 FY 2004 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTATION: FIELD INSTALLED ADMINISTRATIVE LEADTIME: 4 Months PRODUCTION LEADTIME: 3 Months Contract Dates: FY 1997 FEB 97 FY 1998 OCT 97 FY 1999 OCT 98 Delivery Date: FY 1997 MAY 97 FY 1998 JAN 98 FY 1999 **JAN 99** 

## INDIVIDUAL MODIFICATION Date September 1997 AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA COUPLER 0004 MODIFICATION TITLE (Cont): FINANCIAL PLAN: (\$ in Millions) FY 1996 and Prior FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 TOTAL Qty Qty Qty Qty Qty \$ \$ Qty \$ \$ Qty \$ Qty \$ Qty \$ Qty \$ \$ RDT&E PROCUREMENT Kit Quantity 24 10 10 5 5 5 5 Inst Kits, Nonrecurring Cont Cont Equipment, Nonrecurring 3.840 0.990 1.012 1.158 1.195 1.144 1.182 ECO 0.389 Other 0.144 0.298 0.313 0.381 0.393 0.376 Installation of Hardware FY 1996 & Prior Eqpt -- Kits FY 1997 Eqpt -- Kits 0.100 FY 1998 Eqpt -- Kits 0.104 FY 1999 Eqpt -- Kits 0.107 FY 2000 Eqpt -- kits 0.048 FY 2001 Eqpt -- kits 0.049 FY 2002 Eqpt -- kits 0.047 FY 2003 Eqpt -- kits 0.048 (FY(TC) Eqpt (xx kits) Installment Cost 0.100 0.104 0.107 0.048 0.049 0.047 0.048 **Total Procurement Cost** 4.084 1.392 1.432 1.587 1.637 1.567 1.619 Cont Cont

Bli No. Item No. 28 Page 13 of 15 Exhibit P-3a Individual Modification

INDIVIDUAL MODIFICATION Date September 1997 MRC-142 PRE-PLANNED PRODUCT IMPROVEMENT (PIP) 0005 MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: MRC-142 Pre-Planned Product Improvement (PIP) DESCRIPTION / JUSTIFICATION: This Pre-Planned Product Improvement (PIP) for an Uninterrupted Power Source (UPS) will enable the MRC-142 to maintain reliable communication in the event of external or vehicular power failure. With the Marine Corps moving into the Digital Battle Field arena, the digital information carried by the MRC-142 will affect more than just the MRC-142. (Depending on the location of the MRC-142 an entire network of operations may be affected.) DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals Inputs Outputs FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs Outputs METHOD OF IMPLEMENTATION: FIELD INSTALLED ADMINISTRATIVE LEADTIME: PRODUCTION LEADTIME: 3 Months 3 Months Contract Dates: FY 1997 FY 1998 FY 1999 JAN99 Delivery Date: FY 1997 FY 1998 FY 1999 APR99

					IN	IDIVIDU	AL MOD	IFICATIO	N							Date		Septer	mber 1997	
MODIFICATION TITLE (Cont):		MF	RC-14	2 PRE	-PLAN	NED P	RODU	CT IMP	PROVI	EMENT	(PIP)	0005								
FINANCIAL PLAN: (\$ in Millions)			-																	
	FY 19		E) (	100=	1 57	1000	- EV	1000	<b></b>		·	2221	1 =		1 =		- <del>1</del>			
	and F			1997		1998		1999		2000		2001		2002		2003		TC	TOT	
RDT&E	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PROCUREMENT							486												486	
							486												480	
Kit Quantity								0.070		0.004										0.404
Inst Kits, Nonrecurring								0.073		0.031										0.104
Equipment, Nonrecurring								1.458												1.458
Equipment, Nonrecurring								1.458												1.458
ECO																				
Other TRAINING SUPPORT SUPPORT EQUIPMENT TRAVEL								0.062 0.268 0.029		0.023										0.062 0.268 0.052
Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1998 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt kits FY 2001 Eqpt kits FY 2002 Eqpt kits FY 2003 Eqpt kits FY 2003 Eqpt kits (FY(TC) Eqpt (xx kits)																				
Installment Cost					1								1							
Total Procurement Cost								1.890		0.054			1		1					1.94

	Exhibit P-4	0, Budget Item Justif	cation Shee	t		Date:		September 1997		
Appropriation / Budget Activity/S	Serial No:			P-1 Item Nomencla	ture:					
Procurement, Mar	rine Corps (1109) / Communications and Ele	ectronic Equipment (4) / 041				ITEMS LESS TH	AN \$2 MILLION MA	GTF C4I (P44850)		
Program Elements for Code B I	tems:	Code:	Other Related Prog	gram Elements:						
		FV 4007	E)/ 1000	F)/ 4000	F) ( 0000	E)/ 0004	E) ( 0000	F)/ 0000	T 0 11	T / I D
D 0:	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty										
Gross Cost		0.3	0.4	2.5	1.2	0.6	0.5	0.4		5.9
Less PY Adv Proc										<u> </u>
Plus CY Adv Proc										<u> </u>
Net Proc (P-1)		0.3	0.4	2.5	1.2	0.6	0.5	0.4		5.9
Initial Spares										<u> </u>
Total Proc Cost		0.3	0.4	2.5	1.2	0.6	0.5	0.4		5.9
Flyaway U/C										<u> </u>
Wpn Sys Proc U/C										 I

This is a roll-up line which contains many different and unrelated items of equipment for which the annual procurement is less than \$2 Million each. The funds included in this budget line allow procurement of the following items.

- \*Joint Communications Support Element (JCSE) equipment modernization. This effort funds the Marine Corps share of efforts to keep the JCSE equipped with the latest state-of-the-art equipment to accomplish its Joint Staff Mission.
- \* The Air Defense Communications Platform (ADCP) provides an interface between the AN/TPS-59 (V)3 and the HAWK missile system for tactical ballistic missile defense.

All of these items are Code A.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Boundary  Procuremen	t, Marine Co	y/Serial No: rps (1109) / Comi Equipment (4) / 0			em Nomenclature: ESS THAN \$2 MIL		(P44850)	Weapon System	Type:	Date: Sept	ember 1997
Weapon System	ID			,		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
JCSE Modernization	А				301	VAR	VAR	316	VAR	VAR	326	VAR	VAF
ADCP PIP	А							55	VAR	VAR	2156	VAR	VAF
TOTAL					301			371			2482		

	Exhibit P-5a, Budget Procureme	nt History a	and Planning					Date:		1007
Appropriation / Budget Activity/Serial No:	Exhibit 1 da, Badget 1 lodareme	Weapon Syst			P-1 Line Item	Nomenclature	e:	8	September	1997
Procurement, Marine Corps (1109) / Communication	ons and Electronic						THAN \$2 MILLION I	MAGTF C4	II (P44850	))
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss
iscal Years		and Type			Delivery	Each	\$	Now?	Avail	Date
JCSE Modernization										
FY 97	VARIOUS	VAR	CECOM FT MONMOUTH N	VAR	VAR	VAR	VAR	YES	N/A	N/A
FY 98	VARIOUS	VAR	CECOM FT MONMOUTH NJ		VAR	VAR	VAR	YES	N/A	N/A
FY 99	VARIOUS	VAR	CECOM FT MONMOUTH NJ	VAR	VAR	VAR	VAR	YES	N/A	N/A
ADCP PIP										
FY 98	VARIOUS	VAR	QUANTICO VA	VAR	VAR	VAR	VAR	YES	N/A	N/A
FY 99	VARIOUS	VAR	QUANTICO VA	VAR	VAR	VAR	VAR	YES	N/A	N/A
1 99	VARIOUS	VAN	QUANTICO VA	VAIX	VAIX	VAIN	VAIN	ILS	IN/A	IN/F

	Exhibi	t P-40, Budget	Item Justific	cation Shee	t		Date:		September 1997		
Appropriation / Budget Activity/S	erial No:				P-1 Item Nomencla	ture:					
Procurement, Marie	ne Corps (1109) / Communications	and Electronic Equipment	(4) / 042				MODIFICA	ATION KITS (OTHE	R) (P44923)		
Program Elements for Code B Ite	ems:		Code:	Other Related Pro	gram Elements:						
				1							
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			11.0	1.7							12.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			11.0	1.7							12.8
Initial Spares											
Total Proc Cost			11.0	1.7							12.8
Flyaway U/C											
Wpn Sys Proc U/C											

These modifications are for the purpose of correcting equipment deficiencies or to increase the operational capabilities of previously fielded end items.

This funding profile includes Tube Launched Optically Tracked Wire Guided Missile (TOW) sight modifications to bring various configurations of the UAS-12 series of night vision sights into a single configuration and to provide countermeasure protection to the gunners and equipment.

MOD TITLE: INSTALLATION:

TOW NIGHT SIGHT MCDEPOT BEGIN OCT 97/END MAR 99

MODELS OF SYSTEMS AFFECTED: AN/UAS-12A, AN/UAS-12C, AND AN/UAS-12D NIGHT VISION EQUIPMENT SETS

Also included in this budget line is the Direct Air Support Central (DASC) Product Improvement Program (Pip), a non-developmental effort which will incorporate NDI, modified NDI, Automation and existing hardware from the AN/TSQ-155(V), Improved Direct Air Support Central (IDASC), and the OE-334 Antenna Coupler Group into lightweight, highly mobile shelters. Improved capabilities include enhanced digital voice and data communication distribution system and automated interfaces to the Digital Communications Terminal (DCT), Advanced Tactical Air Command Central (ATACC), Position Location Reporting System (PLRS), Advanced Field Artillery Tactical Data System (AFATDS), and Tactical Combat Operations (TCO).

						D	ate				
	Exhibit P-4	IOC Budget It	tem Justific	ation Sheet					September 1997		
Appropriation / Budget Ac	tivity/Serial No.			P	-1 Item Nomenclature						
Procureme	ent, Marine Corps (1109) / Communications and Ele	ectronic Equipment (4)					MODIFICATI	ON KITS (OTHER) (	[P44923)		
Program Elements for Co	de B Items		Code	Other Related Program	n Elements						
Description	1	Fiscal Years									
OSIP NO.	Classification		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TC	Total
	FICATIONS FOR THE UAS-12 SERIE	S OF SIGHTS									
MOD 1	UPGRADE		4.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	5.8
DIRECT AIR SUPP	PORT CENTER(DASC) PRODUCT IMP	PROVEMENT									
MOD 2	UPGRADE		7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
Totals			11.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	12.8

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement	t, Marine Co	y/Serial No: orps (1109) / Comr Equipment (4) / 0-			m Nomenclature: DDIFICATION KITS	S (OTHER) (P449)	23)	Weapon System	Type:	Date: Sept	ember 1997
Weapon System	ID		2.000.01.10	zquipinioni (1) / 0		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Operator Selectable Filter Switch (OSF)	А				986	326	3025						
Optical Improvement/Operator Selectable Filter Kit (OI/OSF)	А				3060	137	22336						
Installation OSF & OI/OSF Kits *								1734					
Shelter Downsize PIP	Α				3965	24	165208						
Digital Voice & Data Systems	А				1858	5	371600						
Harris Radios	Α				582	24	24250						
Harris Radios ILS Pkg.	Α				31								
LMS-788 Shelters	Α				170								
Support Equipment	Α				394								
*Includes installation of 349 TOW Sight Hardening Mods (TOSH Mods) purchased prior to FY 1996.													
TOTAL					11046			1734					

Ext	hibit P-5a, Budget Procurement	History a	and Planning					Date:	eptember	1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Ele		Weapon Syst			P-1 Line Item		e: CATION KITS (OTH		•	
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost	Specs Avail Now?	Date Revsn Avail	RFP Issue Date
Operator Selectable Filter FY 97	Brunswick Defense, Deland, FL	SS/FFP	місом	Jun-97	Mar-98	326	3025		NO	N/A
Optical Improvement/Operator Selectable FY 97	Brunswick Defense, Deland, FL	SS/FFP	МІСОМ	Jun-97	Apr-98	137	22336	YES	NO	N/A
Harris Radios FY 97	MacDill AFB, FL	FFP	MacDill AFB, FL	Sep-97	Apr-98	24	24250	YES	NO	N/A
Digital Voice & Data Systems FY 97	McClellan AFB, CA	FFP	McIellan AFB, CA	Sep-97	Dec-97	5	371600	YES	NO	N/A
Shelter Downsize PIP FY 97	NSWC Crane, IN	РО	Marine Corps Systems Command	Jun-97	Nov-97	24	165208	YES	NO	N/A

Program consists of three types of MOD kits: the OSF kit installs a filter wheel to defeat countermeasure threat and the OI/OSF mod kit provides improved mirrors, prisms, lenses, and detectors as well as the OSF mod to provide more accurate observation and target tracking. TOSH kit adds additional protection for the gunner and equipment.

INDIVIDUAL MODIFICATION Date September 1997 TOW SIGHT MODIFICATIONS FOR THE UAS-12 SERIES OF SIGHTS MOD 1 MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: AN/UAS-12A,AN/UAS-12C, AND AN/UAS-12D NIGHT VISION EQUIPMENT SETS DESCRIPTION / JUSTIFICATION: This modification program bring existing night sights into a single configuration which is compatible with new production sight. The program consists of three mod kits. Two kits are: the Operator Selectable Filter (OSF) kit and the Optical Improvement/Operator Selectable Filter (OI/OSF) kit. The OSF kit provides countermeasure protection by means of a filter wheel and multiple filters. The OI/OSF kit upgrades the original sights into the most current configuration with improved mirrors, prisms, lenses, and detectors, as well as the OSF mod. The third kit is the TOW Optical Sight Hardening Mod (TOSH) which adds additional protection for both the gunner and and equipment. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N/A \*Part of the FY 1998 Input is from a buy prior to FY 1996 (349 Kits). Installation Schedule: Pr Yr FY 1997 FY 1999 FY 1998 FY 2000 FY 2001 Totals 203 203 Inputs \*203 203 Outputs 203 203 203 203 FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs 609 Outputs 812 METHOD OF IMPLEMENTATION: PRODUCTION LEADTIME: Depot (Barstow) ADMINISTRATIVE LEADTIME: Var. Months Var. Months

FY 1999

FY 1999

FY 1998

FY 1998

Contract Dates:

Delivery Date:

FY 1997

FY 1997

Various

Various

				IN	DIVIDUA	L MOD	IFICATION	NC							Date		Septen	mber 1997	
MODIFICATION TITLE (Cont):	TC	W SIG	SHT MO	ODIFIC	CATION	NS FO	R THE	UAS-	12 SEF	RIES O	F SIGI	HTS M	OD 1						
FINANCIAL PLAN: (\$ in Millions)																			
( ,	FY 1996	1																	
	and Prior		1997		1998		1999		2000	FY 2			2002		2003		ГС	TOT	
	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																			
PROCUREMENT																			
Kit Quantity		463																463	
Inst Kits, Nonrecurring																			
Inst Kits			4.046																4.046
Equipment, Nonrecurring																			
ECO																			
Other																			
Installation of Hardware																			
FY 1996 & Prior Eqpt Kits																			
FY 1997 Eqpt Kits				463	1.734													463	1.734
FY 1998 Eqpt Kits																			
FY 1999 Eqpt Kits																			
FY 2000 Eqpt kits																			
FY 2001 Eqpt kits																			
FY 2002 Eqpt kits																			
FY 2003 Eqpt kits																			
(FY(TC) Eqpt (xx kits)																			
Installment Cost					1.734													463	1.734
Total Procurement Cost			4.046		1.734						•								5.780

INDIVIDUAL MODIFICATION Date September 1997 DIRECT AIR SUPPORT CENTER(DASC) PRODUCT IMPROVEMENT MOD 2 MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: MOD Kits (MAGTF C4I) AN/TSQ-155V Improved DASC (IDASC) OE-334 Antenna Coupler Group DESCRIPTION / JUSTIFICATION: Task-oriented, modular systems will operate in the AN/TSQ-207 high mobility downsized DASC. Improved capabilities include enhanced digital voice and data communication distribution system and automated interfaces to the DCT, ATACC, PLRS, AFATDS, and TCO. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Prototype hardware and software will undergo analysis and modification at Marine Corps tactical systems support activity and Naval Surface Warfare Center, Crane, IN. Installation Schedule: Pr Yr FY 1997 FY 1998 FY 1999 FY 2000 FY 2001 Totals 2 4 5 24 24 Inputs Outputs 5 24 24 FY 2002 FY 2003 FY 2004 FY 2005 To Totals Complete Inputs 53 Outputs 53 METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: PRODUCTION LEADTIME: 4 Months Months Contract Dates: FY 1997 Feb 1997 FY 1998 FY 1999

FY 1999

FY 1998

Delivery Date:

FY 1997

May 1997

					NDIVIDU	AL MOE	DIFICATI	ON							Date		Septer	mber 1997	
MODIFICATION TITLE (Cont):		DIRECT	AIR SUP	PORT (	CENTER(	DASC) F	PRODUC	T IMPR	OVEME	NT MOD	2								
FINANCIAL PLAN: (\$ in Millions)																			
	FY 1996					T = 1	1000	1 =			2221	1 =			,	<b>.</b>			
	and Pric		Y 1997		/ 1998 \$		1999		2000		2001		2002		2003	Qty	TC \$	TO Qty	\$ \$
RDT&E	Qty S	\$ Qty	/ Ф	Qty	Ф	Qty	\$	Qty	Ф	Qty	\$	Qty	Ф	Qty	Ф	Qty	Ф	Qty	Ф
PROCUREMENT		,	20															00	
Kit Quantity		4	29															29	
Inst Kits, Nonrecurring			5.82	3															5.823
Equipment, Nonrecurring																			
Shelters			0.17	n															0.170
Harris Radios			24 0.58															24	0.582
Tiams Radios			0.50															2-7	0.502
ECO																			
Other			0.42	5															0.425
la stallation of Hamburg																			
Installation of Hardware																			
FY 1996 & Prior Eqpt Kits																			
FY 1997 Eqpt Kits																			
FY 1998 Eqpt Kits																			
FY 1999 Eqpt Kits																			
FY 2000 Eqpt kits						1													
FY 2001 Eqpt kits																			
FY 2002 Eqpt kits						1													
FY 2003 Eqpt kits						1													
(FY(TC) Eqpt (xx kits)																			
Installment Cost																			
Total Procurement Cost	_		7.00	0										1					7.000

	Exhibit P-	40, Budget Iter	m Justific	cation Sheet	i		Date:		September 1997		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mar	rine Corps (1109) / Communications and El	lectronic Equipment (4) /	043				ITEMS LESS T	HAN \$2MILLION (O	THER) (P44750)		
Program Elements for Code B I	Items:	Co	ode:	Other Related Prog	ram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			2.6	3.3	3.5	3.9	3.9	1.7	2.0	Cont.	Cont.
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			2.6	3.0	3.2	3.9	3.9	1.7	2.0	Cont.	Cont.
Initial Spares											
Total Proc Cost			2.6	3.0	3.2	3.9	3.9	1.7	2.0	Cont.	Cont.
Flyaway U/C											•
Wpn Sys Proc U/C											

The funds included in this Roll-up Budget Line support the following Programs:

- \* Power Supply Equipment. Provides direct current (DC) voltage from an alternating current (AC) power source. This enables communication equipment to operate without batteries. It also provides DC voltage used in the maintenance of electronic equipment. (RCN: 040288)
- \* Tools, Sets, Kits & Chests (TSK&C). Provides general purpose tools and support items used to support the installation, operation, and maintenance of weapon systems. (RCN: 040958)
- \* Calibration Equipment. Provides calibration equipment and materials required to calibrate, align, and maintain all Marine Corps Test Equipment, Gauges, Survey Instruments, etc.
  - (Note: RCN 140247 and RCN 145879 are combined into RCN 045879 in FY97.)
- \* Global Positioning Survey (GPS). This line includes the Global Positioning Survey (GPSS) Device which is a Satellite Based Survey System that will improve responsiveness and accuracy of Marine Corps Artillery units by providing for quick, accurate, and common survey control through the battlefield.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement	t. Marine Co	//Serial No: rps (1109) / Comr Equipment (4) / 0	munications and		n Nomenclature: LESS THAN \$2MI	LLION (OTHER) (F	P44750)	Weapon System	Туре:	Date: Septe	ember 1997
Weapon System	ID		2.000.01.10	_qa.po ( 1) / 0	.0	FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
POWER SUPPLY FOOLS, SETS, KITS, AND CHESTS CALIBRATION EQUIPMENT GLOBAL POSITIONING SURVEY					1000 299 1273		1	1410 515 1093 240		Ť	1403 624 1126 360		7
OTAL					2572			3258			3513		

	Exh	ibit P-40, Budget I	tem Justific	cation Sheet	:		Date:		September 1997		
Appropriation / Budget Activity/					P-1 Item Nomencla	ture:			- Coptombol 1001		
	rine Corps (1109) / Communicat	ions and Electronic Equipment (	4) / 043				PO	WER SUPPLY (A40	288)		
Program Elements for Code B	Items:		Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			1.0	1.4	1.4	2.1	2.1				Cont.
_ess PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			1.0	1.4	1.4	2.1	2.1				Cont.
nitial Spares											
Total Proc Cost			1.0	1.4	1.4	2.1	2.1				Cont.
Flyaway U/C											
Wpn Sys Proc U/C											
without batteries.  This Program is 6	uipment provides d It also provides D0 eliminating obsolete gram is also providi	C voltage used in the	ne maintenar	nce of electrons from the Ma	onic equipme arine Corps i	ent. RCN: 0	40288 he same tin	ne reducing t			

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ E Procureme	nt, Marine Co	y/Serial No: orps (1109) / Comr Equipment (4) / 0-	munications and	P-1 Line Item	Nomenclature: POWER SUP	PLY (A40288)		Weapon System	Туре:	Date: Septe	mber 1997
Weapon System	ID			1-1 ( )		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Power Supply													
0-40 Volt	А				851	700	1216	319	200	1594	213	122	174
24-28 Volt	А							800	200	4000	1000	250	4000
20-80 Volt	А							196	70	2800	105	35	3000
Logistics Support					149			95			85		
TOTAL					1000			1410			1403		

	Exhibit P-5a, Budget Procuremen	t History and Planning								Date: Sep 1997		
Appropriation / Budget Activity/Serial No:		Weapon Syst	_	P-1 Line Item	Зер 1997							
Procurement, Marine Corps (1109) / Communications and Electronic  Equipment (4) / 043				POWER SUPPLY (A40288)								
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss Date		
iscal Years		and Type			Delivery	Each	\$	Now?	Avail			
Power Supply												
0-40 Volt												
Y 97	Xantrex Technology, Canada	FPO	MCSC, Quantico, VA	Mar-97	Jun-97	700	1216	Yes	N/A	N/		
FY 98	Xantrex Technology, Canada	FPO	MCSC, Quantico, VA	Nov-97	Mar-98	200	1594	Yes	N/A	N/A		
FY 99	Xantrex Technology, Canada	FPO	MCSC, Quantico, VA		Mar-99	122	1744	Yes	N/A	N/A		
04.00.1/-14												
24-28 Volt	TDD	0/50	MOOO O STATES VA	Nav. 07	l 00	000	4000		N1/A	NI/		
TY 98	TBD		MCSC, Quantico, VA	Nov-97		200	4000		N/A	N//		
FY 99	TBD	C/FP	MCSC, Quantico, VA	Nov-98	Jun-99	250	4000	Yes	N/A	N/		
20-80 Volt												
FY 98	Mid-Eastern Electronics, NJ	FPO	NAVICP, Mechanicsburg PA	Feb-98	Jun-98	70	2800	Yes	N/A	N/		
FY 99	Mid-Eastern Electronics, NJ	FPO	NAVICP, Mechanicsburg PA		Jun-99	35	3000		N/A	N/		

Exhibit P-20, Requirements Study		Approriation/Budget	Activity/Serial No:	Date:					
					September-97				
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items):			Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
Power Supply (A40288)				5	Months			3	Months
Line Descriptions Pow	er Supply, 0-40 Volt		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			700	200	122				
Unit Cost			1.2	1.6	1.7				
Total Cost			851.0	319.0	213.0				
Asset Dynamics									
Beginning Asset Posi	ition		1599	2482	2982	3104	3104	3104	3104
Deliveries from:	FY 1997 Funding		400	300					
Deliveries from:	FY 1998 Funding			200					
Deliveries from:	FY 1999 Funding				122				
Deliveries from Subse	equent Years Funds								
Other Gains			483						
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirement	ts/Attritions								
End of Year Asset Po	osition		2482	2982	3104	3104	3104	3104	3104
Inventory Objective or Cu	urrent Authorized Allowance		3104	3104	3104	3104	3104	3104	3104
Inventory Objective	e Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
3104	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacement	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX	_			Inactive Inv	
Total:						_		Storage	

Remarks:

Bli No. 463900 Item No. 31 Page 6 of 38 Exhibit P-20, Requirements Study

Exhibit P-20, Rec	uirements Study	Approriation/Budget	Date:						
	•	Procureme	nt, Marine Corps (110	September-97					
P-1 Line Item Nomenclature (Inc	Line Item Nomenclature (Include DODIC for Ammunition Items):			er Oct 1):		Prod Leadtime:			
	Power Supply (A40288)			1	Months	-		7	Months
Line Descriptions Powe	er Supply, 24-28 Volt		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				200	250	536	524		
Unit Cost				4.0	4.0	4.0	4.0		
Total Cost				800.0	1000.0	2144.0	2096.0		
Asset Dynamics									
Beginning Asset Posit					200	450	986	1510	1510
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding			200					
Deliveries from:	FY 1999 Funding				250				
Deliveries from Subse	quent Years Funds					536	524		
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition			200	450	986	1510	1510	151
Inventory Objective or Cu	rrent Authorized Allowance		2028	2028	2028	2028	2028	2028	2028
Inventory Objective	Actual Training	Other tha	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
2028	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacement		TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	

Remarks:

Bli No. 463900 Item No. 31 Page 7 of 38 Exhibit P-20, Requirements Study

Exhibit P-20, Req	uirements Study	Approriation/Budget	Date:						
•	•	Procureme	ent, Marine Corps (110	Sep-97					
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items):			Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Power Supply (A40288)			4	Months			4	Months
Line Descriptions Power	er Supply, 20-80 Volt		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				70	35				
Unit Cost				2.8	3.0				
Total Cost				196.0	105.0				
Asset Dynamics									
Beginning Asset Positi	ion			32	102	137	137	137	137
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding			70					
Deliveries from:	FY 1999 Funding				35				
Deliveries from Subsec	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition			102	137	137	137	137	137
Inventory Objective or Cui	rrent Authorized Allowance		137	137	137	137	137	137	137
Inventory Objective	Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
137	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacement	:	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	

Remarks:

Bli No. 463900 Item No. 31 Page 8 of 38 Exhibit P-20, Requirements Study

	Exhibi	t P-40, Budget	ltem Justific	cation Shee	t		Date:		September 1997		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mar	rine Corps (1109) / Communications	and Electronic Equipment (	(4) / 043				TOOLS, SE	TS, KITS AND CHES	STS (A40958)		
Program Elements for Code B	tems:		Code:	Other Related Pro	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost	0.3	0.5	0.6	0.6	0.6	0.5	0.7		Cont.		
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			0.3	0.5	0.6	0.6	0.6	0.5	0.7		Cont.
Initial Spares											
Total Proc Cost			0.3	0.5	0.6	0.6	0.6	0.5	0.7		Cont.
Flyaway U/C											
Wpn Sys Proc U/C											

Tools, Sets Kits and Chests (TSK&C) includes general purpose tool sets and kits used at all echelons of maintenance to support the following principal end items. RCN: 040958

Motor Transport: Trucks, HMMWV's, Wreckers, Bus's, and the various items of repair and maintenance equipment contained in the repair shops.

Combat Engineers: Bulldozers, Motor Graders, Compactors, Rock Crushers, Assault Craft, and the various items of repair and maintenance equipment assigned to the repair shops.

Ordiance: Tanks, LAV's, AAV's, Self-Propelled Howitzers, and the various items of repair and maintenance equipment assigned to the repair shops.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ I Procureme	nt, Marine Co	y/Serial No: orps (1109) / Comr Equipment (4) / 0			Nomenclature: LS, SETS, KITS, A	ND CHESTS (A40	0958)	Weapon System	Type:	Date: Septe	mber 1997
Weapon System	ID			1-1 ( )		FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			+		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Tool Set, Cummins Diesel	Α				120	3	40000						
Tool Set, Detroit Diesel	Α				126	3	42000						
Tool Set, Allison Transmission	Α				8	3	2650						
Tool Set, Common No. 1	Α				45	3	15000	150	10	15000			
Tool Set, Common No. 2	А							115	4	28750			
Tool Kit, Electro Optical	А							250	100	2500			
Tool Set, Caterpillar	А										500	20	2500
Tool Set, Containers	А										124	20	620
TOTAL					299			515			624		

Exh	ibit P-5a, Budget Procureme	nt History a	and Planning					Date:	Sonto	ember 1997
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclatur	e:		Зеріе	IIIDel 1997
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 043	ctronic					TOOLS, S	ETS, KITS, AND CH	HESTS (A	40958)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	2410
Tool Set, Cummins Diesel										
FY 97	VARIOUS	C/FP	MCLB, Albany, GA	May-97	Dec-98	3	40000	Yes	N/A	N/A
Tool Set, Detroit Diesel										
FY 97	VARIOUS	C/FP	MCLB, Albany, GA	May-97	Dec-98	3	42000	Yes	N/A	N/A
Tool Set, Allison Transmission										
FY 97	VARIOUS	C/FP	MCLB, Albany, GA	May-97	Dec-98	3	2650	Yes	N/A	N/A
Tool Set, Common No. 1										
FY 97	VARIOUS	C/FP	MCLB, Albany, GA	May-97		3	15000	Yes	N/A	N/A
FY 98	VARIOUS	C/FP	MCLB, Albany, GA	Jan-98	May-99	10	15000	Yes	N/A	N/A
Tool Set, Common No. 2										
FY 98	VARIOUS	C/FP	MCLB, Albany, GA	Jan-98	May-99	4	28750	Yes	N/A	N/A
Tool Kit, Electro Optical										
FY 98	VARIOUS	C/FP	MCLB, Albany, GA	Jan-98	May-99	100	2500	Yes	N/A	N/A
Tool Set, Caterpillar (MTVR)										
FY 99	VARIOUS	C/FP	MCLB, Albany, GA	Jan-99	Jan-00	20	25000	No	N/A	N/A
Tool Set, Containers										
FY 99	VARIOUS	C/FP	MCLB, Albany, GA	Jan-99	Jul-99	20	6200	No	N/A	N/A
REMARKS:										

Exhibit P-20, Requ	iiramants Study	Approriation/Budget	Activity/Serial No:				Date:		
, -	•	Procureme	nt, Marine Corps (1109	,	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Inclu	de DODIC for Ammunition Items):		Admin Leadtime (after	r Oct 1):			Prod Leadtime:		
	ols, Sets, Kits, and Chests (A40958)			7	Months			19	Months
Line Descriptions Tool S	Set, Cummins Diesel		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			3						
Unit Cost			40.0						l
Total Cost			120.0						
Asset Dynamics									
Beginning Asset Positio	n		15	15	15	18	18	18	18
Deliveries from:	FY 1997 Funding				3				
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subsequ	uent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/	Attritions								
End of Year Asset Posit	tion		15	15	18	18	18	18	18
Inventory Objective or Curr	ent Authorized Allowance		18	18	18	18	18	18	18
Inventory Objective	Actual Training	Other tha	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
18	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacement	:	TOAI	l
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	I
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	

Remarks: Build to AO.

Exhibit P-20, Requ	iramente Study	Approriation/Budget	Activity/Serial No:				Date:		•
•	•	Procureme	nt, Marine Corps (1109	,	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Inclu	de DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	ols, Sets, Kits, and Chests (A40958)			7	Months	-		19	Months
Line Descriptions Tool S	Set, Detroit Diesel		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			3						
Unit Cost			42.0						
Total Cost			126.0						
Asset Dynamics									
Beginning Asset Positio	n		14	14	14	17	17	17	17
Deliveries from:	FY 1997 Funding				3				
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subsequ	uent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements//	Attritions								
End of Year Asset Posit	ion		14	14	17	17	17	17	17
Inventory Objective or Curre	ent Authorized Allowance		17	17	17	17	17	17	17
Inventory Objective	Actual Training	Other tha	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
17	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacement		TOAI	l
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	I
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:		_				=		Storage	

Remarks: Build to AO.

Exhibit P-20, Requ	irements Study	Approriation/Budget	Activity/Serial No:				Date:		•
•		Procureme	ent, Marine Corps (1109	,	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Include	de DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	ols, Sets, Kits, and Chests (A40958)			7	Months			19	Months
Line Descriptions Tool S	Set, Allison Transmission		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			3						<u> </u>
Unit Cost			3.0						- I
Total Cost			8.0						I
Asset Dynamics									
Beginning Asset Position	n		14	14	14	17	17	17	17
Deliveries from:	FY 1997 Funding				3				
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subsequ	uent Years Funds								1
Other Gains									
Combat Losses									
Training Losses									
Test Losses									<u></u>
Other Losses									<u></u>
Disposals/Retirements/A	Attritions								1
End of Year Asset Positi	ion		14	14	17	17	17	17	17
Inventory Objective or Curre	ent Authorized Allowance		17	17	17	17	17	17	17
Inventory Objective	Actual Training	Other tha	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
17	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacement		TOAI	I
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	I
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	I
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:			•			<del>-</del>		Storage	

Remarks: Build to AO.

Exhibit P-20, Requ	irements Study	Approriation/Budget	Activity/Serial No:				Date:		•
	•	Procureme	ent, Marine Corps (1109	,	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Include	de DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	ols, Sets, Kits, and Chests (A40958)			7	Months	-		19	Months
Line Descriptions Tool S	et, Common No. 1		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			3	10					
Unit Cost			15.0	15.0					
Total Cost			45.0	150.0					
Asset Dynamics									
Beginning Asset Position	n		434	431	428	438	437	437	437
Deliveries from:	FY 1997 Funding				3				
Deliveries from:	FY 1998 Funding				10				
Deliveries from:	FY 1999 Funding								
Deliveries from Subsequ	ent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/A	Attritions		3	3	3	1			
End of Year Asset Positi	ion		431	428	438	437	437	437	437
Inventory Objective or Curre	ent Authorized Allowance		437	437	437	437	437	437	437
Inventory Objective	Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
437	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacement		TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:			•		•	_		Storage	

Remarks: Assets are to replace washouts of high volume tool set. Assets are to maintain AO.

Evhibit P-20 Poo	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
Exhibit F-20, Net	dulleriles Study	Procureme	nt, Marine Corps (110	9) / Communications a	nd Electronic Equipm	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Tools, Sets, Kits, and Chests (A40958)			3	Months			16	Months
Line Descriptions Tool	Set, Common No. 2		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				4					
Unit Cost				29.0					 [
Total Cost				115.0					
Asset Dynamics									
Beginning Asset Posit			96	95	94	97	97	97	97
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding				4				1
Deliveries from:	FY 1999 Funding								
Deliveries from Subse	quent Years Funds								<u> </u>
Other Gains									
Combat Losses									I
Training Losses									<u> </u>
Test Losses									<u> </u>
Other Losses									<u> </u>
Disposals/Retirements	s/Attritions		1	1	1				I
End of Year Asset Pos	sition		95	94	97	97	97	97	97
Inventory Objective or Cu	rrent Authorized Allowance		97	97	97	97	97	97	97
Inventory Objective	Actual Training	Other tha	an Training	Disp	osals	Vehicles Eligible		Aircraft:	 [
97	Expenditures	Us	age	(Vehicle	s/Other)	for Replacement	_	TOAI	1
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	<u> </u>
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX		]		Inactive Inv	
Total:								Storage	1

Remarks: Assets are to replace washouts of high volume tool set. Assets are to maintain AO.

Exhibit P-20, I	Requiren	nents Sti	udv	Approriation/Budget A	Activity/Serial No:				Date:		
	-		-	Procuremen		9) / Communications a	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclatur	re (Include DOE	DIC for Ammun	ition Items):		Admin Leadtime (after	r Oct 1):			Prod Leadtime:		
		ts, Kits, and Ch				2	Months			16	Months
Line Descriptions T	ook Kit, E	Electro O	ptical		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						100					
Unit Cost						3.0					
Total Cost						250.0					
Asset Dynamics											
Beginning Asset F					530	520	510	600	600	600	600
Deliveries from:											
Deliveries from:	F	FY 1998	Funding				100				
Deliveries from:	F	FY 1999	Funding								
Deliveries from Su	ubsequent Y	ears Funds	1								
Other Gains											
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retiren	ments/Attritic	ns			10	10	10				
End of Year Asse	et Position				520	510	600	600	600	600	600
Inventory Objective of	or Current Au	uthorized All	owance		600	600	600	600	600	600	600
Inventory Obje	ective	Actu	ıal Training	Other tha	n Training	Dispo	osals	Vehicles Eligible		Aircraft:	
600		Exp	penditures	Us	age	(Vehicle	s/Other)	for Replacement		TOAI	
Assets Rqd for	9	96 thru		96 thru		96 thru				PAA:	
Combat Loads:	F	Y XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	F	Y XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	F	Y XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:	F	Y XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:						<del></del>				Storage	-

Remarks: Assets to replace washouts of high volume tool kit. Assets to maintain AO.

Fyhihit P-20 Rec	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
•	-	Procureme	nt, Marine Corps (110	,	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Tools, Sets, Kits, and Chests (A40958)			3	Months			12	Months
Line Descriptions Tool	Set, Caterpillar (MTVR)		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					20				
Unit Cost					25.0				
Total Cost					500.0				
Asset Dynamics									
Beginning Asset Posit	tion						20	20	20
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding					20			
Deliveries from Subse	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Po	sition					20	20	20	20
Inventory Objective or Cu	irrent Authorized Allowance		20	20	20	20	20	20	20
Inventory Objective	Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
20	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacement	:	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	

Exhibit P-20, Rec	uirements Study	Approriation/Budget	Activity/Serial No:				Date:		
	· · · · · · · · · · · · · · · · · · ·	Procureme		9) / Communications a	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Tools, Sets, Kits, and Chests (A40958)			3	Months			18	Months
Line Descriptions Tool	Set, Containers		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					20				
Unit Cost					6.0				
Total Cost					124.0				
Asset Dynamics									
Beginning Asset Posit	ion						20	20	20
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding					20			
Deliveries from Subse	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition					20	20	20	20
Inventory Objective or Cu	rrent Authorized Allowance		20	20	20	20	20	20	20
Inventory Objective	Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
20	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacement	:	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:			<del></del>	<del></del>	<del></del>			Storage	

	Exhibit P	-40, Budget l	ltem Justific	cation Shee	t		Date:		September 1997		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Ma	rine Corps (1109) / Communications and	Electronic Equipment (	(4) / 043						CALIBRATION EC	QUIPMENT (A45879)	
Program Elements for Code B	Items:		Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			1.3	1.2	1.1	1.2	1.2	1.2	1.3	N/A	Cont.
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			1.3	1.3	1.5	1.2	1.2	1.2	1.3	N/A	Cont.
Initial Spares											
Total Proc Cost			1.3	1.3	1.5	1.2	1.2	1.2	1.3	N/A	Cont.
Flyaway U/C											
Wpn Sys Proc U/C											

Calibration Equipment provides the calibration equipment and materials required to calibrate, align, and maintain all Marine Corps Test Equipment, Gauges, Survey Instruments, etc. RCN: 045879

The Calibration Equipment program provides the total logistic support, performs Program Management functions, and engineering support for:

- Support of General Purpose and Special Purpose Test Measurement and Diagnostic Equipment (TMDE) required to perform corrective and preventive maintenance at all authorized levels of maintenance
- Calibration standards used at Marine Corps intermediate and depot level calibration laboratories to verify support TMDE measurement accuracy through traceability to the National Institute of Standards and Technology (NIST).

Exhibit P-5, Weapon WPN SYST Cost Analysis		Marine Co	y/Serial No: orps (1109) / Comr Equipment (4) / 0-			Nomenclature:	JIPMENT (A45879	9)	Weapon System	Туре:	Date: Septe	mber 1997
Weapon System	ID		- 4		FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Calibration Equipment (Transportable Regional Calibration & Repair Complex) (7 shelters in 1 complex)				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CALTECS	Α			560	16	35000	480	16	30000	400	16	25000
Calibration Stations Wattmeter High Accuracy AC/DC Counter/Frequency Oscilloscope	A A			144	16	9000	128	16	8000	320	16	20000
Multimeter Automotive Low Frequency Shared Comm Test Set/Signal Generator Low Microwave Attenuation	A			80 64	16 16	5000 4000	80	16	5000			
High Microware Attenuation Microwave Microwave Shared Hign Frequency Signal Generator Flow Torque Pressure Dimensional Mechnical Shared Cleaning	A A A						160	16	10000	160	16 16	10000 1500
Force/Mass  Repair Stations Meters Automotive Microminiature Soldering Digital/IC	А									60	16	3750
Oscilloscope Counters Signal Generators/Receivers Ancillary Support Items Logistics Support	Α			104 321	16	6500	245			162		
TOTAL				1273			1093			1126		

								Date:		
E:	xhibit P-5a, Budget Procurement							S	eptember	r 1997
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communications and Equipment (4) / 043	Electronic					CALIB	RATION EQUIPME	NT (A4587	79)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Iss
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	Date
CALTECS										1
FY 97	Various	MIPR	FEDSIM, Falls Church,VA	Jun-97	Jun-98	16	35000	Yes	N/A	N/A
FY 98	Various	MIPR	FEDSIM, Falls Church,VA	Apr-98	Jun-98	16	30000	Yes	N/A	N/A
FY 99	Various	MIPR	FEDSIM, Falls Church,VA	Apr-99	Jun-99	16	25000	Yes	N/A	N/A
Wattmeter										
FY 97	Hewlett Packard, San Rosa, CA	WR	NWS, Seal Beach, CA	Jun-97	Aug-97	16	9000	Yes	N/A	N/A
Counter/Frequency										
FY 98	твр	C/FP	MCSC, Quantico, VA	Apr-98	Jul-98	16	8000	Yes	N/A	N/A
Oscilloscope				1 '						
FY 99	TBD	C/FP	MCSC, Quantico, VA	Apr-99	Jun-99	16	20000	Yes	N/A	N/A
Multimeter										
FY 97	Fluke, Everret, WA	C/FP	NWS, Seal Beach, CA	May-97	Jul-97	16	5000	Yes	N/A	N/A
Comm Test Set/Signal Generator										
FY 97	Hewlett Packard, San Rosa, CA	C/FP	NWS, Seal Beach, CA	Jun-97	Aug-97	16	4000	Yes	N/A	N/A
Low Microwave Attenuation										
FY 98	TBD	C/FP	MCSC, Quantico, VA	Apr-98	Jul-98	16	5000	Yes	N/A	N/A
High Microware Attenuation										
FY 99	TBD	C/FP	MCSC, Quantico, VA	Apr-99	Jul-99		VAR	Yes	N/A	N/A
Dimensional										
FY 98	TBD	C/FP	MCSC, Quantico, VA	Apr-98	Jul-98	16	10000	Yes	N/A	N/A
REMARKS:										

	Evhibit B 50 Budget Breevremen	nt History	and Blanning					Date:		
	Exhibit P-5a, Budget Procureme	Weapon Syst						S	September	1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications Equipment (4) / 043	s and Electronic	vveapon Syst	em Type:		P-1 Line Item	n Nomenclatur CALIB	e: RATION EQUIPME	NT (A458	79)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu
Fiscal Years		and Type			Delivery	Each	\$	Now?	Avail	
			T		_	ı				
Cleaning										
FY 99	TBD	C/FP	MCSC, Quantico, VA	Apr-99	Jun-99	16	1500	Yes	N/A	N/A
Microminiature Soldering										
FY 99	TBD	C/FP	MCSC, Quantico, VA	Apr-99	Jul-99	16	3750	Yes	N/A	N/A
	100	0/11	WOOO, Quantico, VA	7 (pr 33	our 55	10	3730	103	IN/A	14//
Ancillary Support Items										
FY 97	Various	WR	NWS, Seal Beach, CA	Apr-97	Jul-98	16	6500	Yes	N/A	N/A
REMARKS:										

Exhibit P-20, Rec	uirements Study	Approriation/Budget	Activity/Serial No:				Date:		
	<u> </u>	Procureme	ent, Marine Corps (1109	,	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	r Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879)			8	Months			12	Months
Line Descriptions Watt	meter		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			16						
Unit Cost			9.0						
Total Cost			144.0						
Asset Dynamics									
Beginning Asset Posit	ion			16	16	16	16	16	16
Deliveries from:	FY 1997 Funding		16						
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subse	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition		16	16	16	16	16	16	16
Inventory Objective or Cu	rrent Authorized Allowance		16	16	16	16	16	16	16
Inventory Objective	Actual Training	Other tha	an Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
16	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacement	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	

Exhibit P-20, Req	uirements Study	Approriation/Budget	Activity/Serial No:	-	-		Date:		
	•	Procureme		9) / Communications a	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879)			6	Months	-		3	Months
Line Descriptions Cour	nter/Frequency		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				16					
Unit Cost				8.0					l
Total Cost				128.0					
Asset Dynamics									
Beginning Asset Posit	ion				16	16	16	16	16
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding			16					
Deliveries from:	FY 1999 Funding								
Deliveries from Subse	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition			16	16	16	16	16	16
Inventory Objective or Cu	rrent Authorized Allowance		16	16	16	16	16	16	16
Inventory Objective	Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
16	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacement	t	TOAI	l
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	I
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:						=		Storage	

Exhibit P-20, Req	uirements Study	Approriation/Budget	Activity/Serial No:				Date:		
<u> </u>	•	Procureme		9) / Communications a	and Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Inc.	lude DODIC for Ammunition Items):		Admin Leadtime (aft	er Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879)			6	Months	-		2	Months
Line Descriptions Oscil	loscope		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					16				
Unit Cost					20.0				l
Total Cost					320.0				
Asset Dynamics									
Beginning Asset Positi	ion					16	16	16	16
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding				16				
Deliveries from Subsec	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition				16	16	16	16	16
Inventory Objective or Cur	rrent Authorized Allowance		16	16	16	16	16	16	16
Inventory Objective	Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
16	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacement	t	TOAI	l
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	I
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:					<del></del>			Storage	

Exhibit P-20 Rec	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
•			ent, Marine Corps (110	·	ind Electronic Equipm	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items	s):	Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879	9)		7	Months			2	Months
Line Descriptions Multi	meter		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			16						
Unit Cost			5.0						
Total Cost			80.0						
Asset Dynamics									
Beginning Asset Posit				16	16	16	16	16	16
Deliveries from:	FY 1997 Fundin	g	16						
Deliveries from:	FY 1998 Fundin	g							
Deliveries from:	FY 1999 Fundin	g							
Deliveries from Subse	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition		16	16	16	16	16	16	1
Inventory Objective or Cu	rrent Authorized Allowance	)	16	16	16	16	16	16	1
Inventory Objective	Actual Train	ning Other tha	an Training	Disp	osals	Vehicles Eligible	1	Aircraft:	
16	Expenditur	es Us	sage	(Vehicle	es/Other)	for Replacement	t_	TOAI	l
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	<u> </u>
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX		]		Inactive Inv	
Total:								Storage	ı

Exhibit P-20 F	Requirements St	udv	Approriation/Budget	Activity/Serial No:	<del></del>			Date:	<del></del>	<del></del>
,	-	-	Procureme	nt, Marine Corps (110	9) / Communications a	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature	e (Include DODIC for Ammu	nition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Calibration Equipme		-		8	Months			2	Months
Line Descriptions Co	omm Test Set/Sig	gnal Generator		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				16						
Unit Cost				4.0						
Total Cost				64.0						
Asset Dynamics										
Beginning Asset P	Position				16	16	16	16	16	16
Deliveries from:	FY 1997	Funding		16						
Deliveries from:	FY 1998	Funding								
Deliveries from:	FY 1999	Funding								
Deliveries from Su	bsequent Years Fund	S								
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retirem	nents/Attritions									
End of Year Asset	Position			16	16	16	16	16	16	16
Inventory Objective or	r Current Authorized A	llowance		16	16	16	16	16	16	16
Inventory Object	ctive Act	ual Training	Other tha	n Training	Disp	osals	Vehicles Eligible		Aircraft:	
16	Ex	penditures	Us	age	(Vehicle	s/Other)	for Replacement		TOAI	
Assets Rqd for	96 thru		96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:			<del></del>		<del></del>				Storage	

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Exhibit P-20 Red	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
		Procureme		9) / Communications a	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (In	clude DODIC for Ammunition Items):		Admin Leadtime (aft	er Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879)			6	Months	-		3	Months
Line Descriptions Low	Microwave Attenuation		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				16					
Unit Cost				5.0					l
Total Cost				80.0					
Asset Dynamics									
Beginning Asset Posi	ition				16	16	16	16	16
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding			16					
Deliveries from:	FY 1999 Funding								
Deliveries from Subse	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirement	ts/Attritions								_
End of Year Asset Po	osition			16	16	16	16	16	16
Inventory Objective or Cu	urrent Authorized Allowance		16	16	16	16	16	16	16
Inventory Objective	e Actual Training	Other tha	an Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
16	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacement	t	TOAI	l
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	I
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	

Exhibit P-20, Requi	iroments Study	Approriation/Budget	Activity/Serial No:				Date:		•
· -		Procurem	ent, Marine Corps (110	·	and Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Include	e DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879)			6	Months			3	Months
Line Descriptions High M	icrowave Attenuation		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					16				
Unit Cost					10.0				
Total Cost					160.0				
Asset Dynamics									
Beginning Asset Position						16	16	16	16
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding				16				
Deliveries from Subseque	ent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/A	ttritions								
End of Year Asset Position	on				16	16	16	16	16
Inventory Objective or Curre	nt Authorized Allowance		16	16	16	16	16	16	16
Inventory Objective	Actual Training	Other th	an Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
16	Expenditures	U	sage	(Vehicle	es/Other)	for Replacement	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	I
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:						=		Storage	

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Exhibit P-20 Rec	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
	•	Procureme		9) / Communications a	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879)			6	Months			3	Months
Line Descriptions Dime	ensional		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				16					
Unit Cost				10.0					
Total Cost				160.0					
Asset Dynamics									
Beginning Asset Posit	tion				16	16	16	16	16
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding			16					
Deliveries from:	FY 1999 Funding								
Deliveries from Subse	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition			16	16	16	16	16	16
Inventory Objective or Cu	rrent Authorized Allowance		16	16	16	16	16	16	16
Inventory Objective	Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
16	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacement	:	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:					<del></del>			Storage	

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Exhibit P-20, Re	equirements	Study	Approriation/Budget	Activity/Serial No:	<del></del>			Date:	<del></del>	
			Procureme	nt, Marine Corps (110	•	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (I	Include DODIC for A	mmunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
		ipment (A45879)	•		6	Months	•		2	Months
Line Descriptions Cle	aning			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary						16				
Unit Cost						2.0				ĺ
Total Cost						24.0				
Asset Dynamics										
Beginning Asset Pos	sition						16	16	16	16
Deliveries from:	FY 199	7 Funding								
Deliveries from:	FY 199	8 Funding								
Deliveries from:	FY 199	9 Funding				16				
Deliveries from Subs	sequent Years F	unds								
Other Gains										
Combat Losses										
Training Losses										
Test Losses										
Other Losses										
Disposals/Retiremer	nts/Attritions									
End of Year Asset P	Position					16	16	16	16	16
Inventory Objective or C	Current Authorize	ed Allowance		16	16	16	16	16	16	16
Inventory Objectiv	ve	Actual Training	Other tha	an Training	Disp	osals	Vehicles Eligible		Aircraft:	
16		Expenditures	Us	age	(Vehicle	s/Other)	for Replacement		TOAI	ĺ
Assets Rqd for	96 thru		96 thru		96 thru				PAA:	
Combat Loads:	FY XXX	(X	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXX	(X	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXX	(X	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXX	(X	FY XXXX		FY XXXX				Inactive Inv	
Total:							=		Storage	

Bli No. 463900 Item No. 31 Page 32 of 38 Exhibit P-20, Requirements Study

Exhibit P-20 Rec	quirements Study	Approriation/Budget	Activity/Serial No:	-	-		Date:		
	· · · · · · · · · · · · · · · · · · ·	Procureme		9) / Communications a	and Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (Inc	clude DODIC for Ammunition Items):		Admin Leadtime (aft	er Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879)			6	Months			15	Months
Line Descriptions Micro	ominiature Soldering		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					16				
Unit Cost					4.0				l
Total Cost					60.0				
Asset Dynamics									
Beginning Asset Posit	tion					16	16	16	16
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding				16				
Deliveries from Subse	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition				16	16	16	16	16
Inventory Objective or Cu	rrent Authorized Allowance		16	16	16	16	16	16	16
Inventory Objective	Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
16	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacement	t	TOAI	l
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	I
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	

Fyhihit P-20 Red	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
·	-	Procureme	ent, Marine Corps (1109	,	nd Electronic Equipme	ent (4) / 043		September-97	
P-1 Line Item Nomenclature (In-	clude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Calibration Equipment (A45879)			6	Months	-		15	Months
Line Descriptions Anci	llary Support Items		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary			16						
Unit Cost			7.0						
Total Cost			104.0						
Asset Dynamics									
Beginning Asset Posi	ition				16	16	16	16	16
Deliveries from:	FY 1997 Funding			16					
Deliveries from:	FY 1998 Funding								
Deliveries from:	FY 1999 Funding								
Deliveries from Subse	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirement	ts/Attritions								
End of Year Asset Po	sition			16	16	16	16	16	16
Inventory Objective or Cu	urrent Authorized Allowance		16	16	16	16	16	16	16
Inventory Objective	e Actual Training	Other tha	an Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
16	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacement	t	TOAI	
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	_
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:				<del></del>				Storage	

Bli No. 463900 Item No. 31 Page 34 of 38 Exhibit P-20, Requirements Study

	Exhibit	P-40, Budget I	tem Justific	cation Sheet			Date:		September 1997		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomenclat	ture:					
Procurement, I	Marine Corps /Communications and Ele	ectronic Equipment / P447	5043				Globa	al Positioning Survey	(GPS)		
Program Elements for Code B	Items:		Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost				0.2	0.4						0.6
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				0.2	0.4						0.6
Initial Spares											
Total Proc Cost				0.2	0.4						0.6
Flyaway U/C											
Wpn Sys Proc U/C											
	Global Positioining Survits by providing for quic								Siless and e	ocuracy of ivi	anne

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ B Procurement	Marine Cor	ns and Electronic	P-1 Line Ite	em Nomenclature: Global Positioni	ng Survey (GPS)		Weapon System	Туре:	Date: Septe	mber 1997
Weapon System	ID		-4		FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Cost Elemente				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Global Positioning Survey												
TOTAL							240			360		

	Exhibit P-5a, Budget Procureme	nt History a	and Planning					Date:	eptember	1007
Appropriation / Budget Activity/Serial No:	-	Weapon Syst			P-1 Line Item	Nomenclatur	e:		eptember	1997
Procurement, Marine Corps /Communications and El / P4475043	lectronic Equipment					Glo	bal Positioning Surv	ey (GPS)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date Revsn	RFP Issu
riscal Years		and Type			Delivery	Each	\$	Now?	Avail	Date
Global Positioning Survey										
FY 98	Trimble Navigation, LTD	FFP	MCSC, Quantico, VA	Mar-98	Aug-98	12	20000	Yes	N/A	N/A
FY 99	Trimble Navigation, LTD	FFP	MCSC, Quantico, VA	Mar-99	Aug-99	18	20000	Yes	N/A	N/A
REMARKS:	I		I	1						

Exhibit P-20, Req	uirements Study	Approriation/Budget	Activity/Serial No:				Date:		
<u> </u>	•	Procure	ment, Marine Corps /C		ectronic Equipment /	P4475043		September-97	
P-1 Line Item Nomenclature (Incl	lude DODIC for Ammunition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
	Global Positioning Survey (GPS)			5	Months			5	Months
Line Descriptions Globa	al Positioning Survey		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary				12	18				<u> </u>
Unit Cost				20.0	20.0				
Total Cost				240.0	360.0				I
Asset Dynamics									
Beginning Asset Positi	ion		40	40	52	70	70	70	70
Deliveries from:	FY 1997 Funding								
Deliveries from:	FY 1998 Funding			12					
Deliveries from:	FY 1999 Funding				18				I
Deliveries from Subsec	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								I
End of Year Asset Pos	sition		40	52	70	70	70	70	70
Inventory Objective or Cur	rrent Authorized Allowance		100	100	100	100	100	100	100
Inventory Objective	Actual Training	Other that	an Training	Dispo	osals	Vehicles Eligible		Aircraft:	1
100	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacement	:	TOAI	I
Assets Rqd for	96 thru	96 thru		96 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 1998		TAI	I
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 1999		Attrition Res	<u> </u>
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	<del></del> _

							Date:				
	Exhibit F	9-40, Budget Ite	em Justific	ation Sheet					September 1997		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomenclate	ure:	•				
Procurement, Ma	arine Corps (1109) / Communications and	Electronic Equipment (4) /	044				AIR OPER	ATIONS C2 SYSTEM	IS (P44447)		
Program Elements for Code B Is	tems:	C	Code:	Other Related Prog	am Elements:						
					<u> </u>	T	1	1	1		
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty											
Gross Cost			10.9	9.4	11.7	3.1	5.7	2.7	5.2		48.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			10.9	9.4	11.7	3.1	5.7	2.7	5.2		48.7
Initial Spares			0.4	0.7	0.2	2.7					4.0
Total Proc Cost			11.3	10.1	11.9	5.8	5.7	2.7	5.2		52.7
Flyaway U/C											
Wpn Sys Proc U/C											

TAOM: The AN/TYQ-23(v)1, Tactical Air Operations Module, is an electronic tactical data system which, when supported with sensores, power sources, support equipment, and personnel, provides the Marine Corps with the capability of integrating air defense, supplemental enroute traffic control management, and data link to external agencies for real time exchange of tactical air date. Four Tactical Air Operations Modules consititues one system.

CTAPS: Provides the Commander the automated tools necessary to generate, disseminate and execute the Air Tasking Order (ATO), as mandated by the Chairman, Joint Chiefs of Staff in July 1993. It is an evolutionary acquisition, allowing for the rapid development/fielding of hardware and software to meet todays rapidly advancing technology. It is fielded to all four Marine Air Command squadrons (MTACS) and the supporting establishment.

The Advanced Tactical Air Command Central (ATACC) is a transportable command, control, and communications system designed to provide the Aviation Combat Element (ACE) Commander with the capability to plan, coordinate, and direct Marine air Ground Task Force (MAGTF) tactical air operations. ATACC provides computer assistance to Marine Corps planners and operators to faciliate coordination of air battle planning and execution.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budg Procurement, Ma	arine Corp	ns and Electronic		em Nomenclature: Air Operations C2	Systems (P44447	)	Weapon System	Type:	Date: Septe	ember 1997
Weapon System	ID				FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
COSt Licinchis	- 05			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Factical Air Operations Moduel (TAOM)				8160		,	9371		•	10221		·
Contingency Theater Automated Planning CTAPS)				340						1500		
Advance Tactical Air Command Control (ATACC)				2429								
TOTAL				10929			9371			11721		
Active Total Reserve Total				(10929) (0)			(9371) (0)			-11521 (200)		

	Evhihit D-/	0, Budget Item Justific	cation Shee	•		Date:						
		bo, Budget item Justin	cation onee					September 1997				
Appropriation / Budget Activity/S	Serial No:			P-1 Item Nomenclature:								
Procurement, Mar	rine Corps (1109) / Communications and Ele	ectronic Equipment (4) / 044		Tactical Air Operations Module (TAOM)								
Program Elements for Code B I	Items:	Code:	Other Related Prog	gram Elements:								
	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog		
Proc Qty		1	17	23						41		
Gross Cost		8.2	9.4	10.2	2.8	4.7	2.4	4.2		41.9		
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)		8.2	9.4	10.2	2.8	4.7	2.4	4.2		41.9		
Initial Spares		0.2	0.6	0.7	2.7					4.2		
Total Proc Cost		8.5	10.0	10.9	5.5	4.7	2.4	4.2		46.1		
Flyaway U/C												
Wpn Sys Proc U/C		8.245	0.551	0.444								

- 1. The AN/TYQ-23 (v)1, Tactical Air Operations Module, is an electronic tactical data system which, when supported with sensors, power sources, support equipment, and personnel, provides the U. S. Marine Corps with the capability of integrating air defense, supplemental enroute traffic control management, and data link to external agencies for real time exchange of tactical air data. Four Tactical Air Operations Modules constitutes one system.
- 2. This is a collection of efforts and an evolutionary acquisition stragety, encompassing ECPs and incorporation of COTS equipment into the existing Tactical Air Operations Center (TAOC) platform. This initiative upgrades the system to include Joint Tactical Data Links (TADIL-J), Sector Anti-Air Warfare Facility (SAAWF), operator console units, and the TPS-59 Radar interface, representing four major elements.
- 3. These upgrades open up the system architecture, provide and automated air tasking order capability, tactical missile defense, and a battle management facility. The open architecture facilitates TADIL-J upgrade.

Note: TAOM FY96 & Prior Funded in BLI 459400

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budge Procurement, Ma Ele	arine Cor			em Nomenclature: CAL AIR OPS MC	DULE (TAOM) (P4	14003)	Weapon System	Туре:	Date: Septe	ember 1997
Weapon System	ID				FY 97			FY 98			FY 99	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
AN/TYQ-23 (V) 1 TACTICAL AIR OPERATIONS MODULE PRODUCT IMPROVEMENT PROGRAM				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
OCU UPGRADES				7407	1	7407000	7696	17	452706	9451	23	41091
VOICE GATEWAY												
GSA/WWT												
SUPPORT EQUIPMENT				243			50			50		
CONTRACTOR ENGINEERING SUPPORT				362			900			470		
SAAWF WARRANTY												
TAD				50			25			50		
MCTSSA TSP				98			700			200		
TOTAL Active Reserve				8160			9371			<b>10221</b> (7221) (3000)		

Ful	sibit D.Eo. Budget Breeurens	nt Lliatam: -	and Dianning					Date:		
	nibit P-5a, Budget Procureme				<b>-</b>			5	eptember	1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Ele	ectronic	Weapon Syst	em Type:		P-1 Line Item	Nomenclatur				
Equipment (4) / 024						TACTICAL	AIR OPS MODULE		_	
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date		QTY	Unit Cost	Specs Avail	Date Revsn	RFP Is
riscal Years		and Type			Delivery	Each	\$	Now?	Avail	
AN/TYQ-23 (V) 1 TACTICAL AIR										
PERATIONS MODULE										
PRODUCT IMPROVEMENT PROGRAM										
CU UPGRADES	LITTON DATA SYSTEM									
	Agoura Hills, CA	SSCPFF	QUANTICO, VA							١
Y 97				Oct-96		1			NO	N/
Y 98				Jan-98	Nov-98	17	452706		NO	N/
FY 99				Oct-98	Oct-99	23	410913	YES	NO	N/
EMARKS:	•	•	•	•	-			-	-	
-										

Exhibit P-20,	Requirem	ents Sti	ıdv	Approriation/Budget	Activity/Serial No:				Date:		
•				Procureme		9) / Communications ar	nd Electronic Equipm	ent (4) / 044		September 1997	
P-1 Line Item Nomenclatu	re (Include DODI	C for Ammun	ition Items):		Admin Leadtime (after	er Oct 1):			Prod Leadtime:		
			TEMS (P44447)			3	Months			10	Months
Line Descriptions	Т	AOM			FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary					1	17	23				
Unit Cost					7407000.0	452706.0	410913.0				
Total Cost					7407000.0	7696002.0	9450999.0				
Asset Dynamics											
Beginning Asset I	Position				1	2	2	19	42	42	4:
Deliveries from:	F`	Y 1997	Funding		1						
Deliveries from:	F	Y 1998	Funding				17				
Deliveries from:	F`	Y 1999	Funding					23			
Deliveries from S	ubsequent Ye	ears Funds									
Other Gains											
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retiren	ments/Attrition	ns									
End of Year Asse	et Position				2	2	19	42	42	42	4
Inventory Objective of	or Current Aut	horized All	owance								
Inventory Obje	ective	Actu	al Training	Other tha	n Training	Dispo	osals	Vehicles Eligible		Aircraft:	
42		Exp	enditures	Us	age	(Vehicle	s/Other)	for Replacement		TOAI	
Assets Rqd for	96	6 thru		96 thru		96 thru				PAA:	
Combat Loads:	F	Y XXXX		FY XXXX		FY XXXX		FY 1998		TAI	
WRM Rqmt:	F	Y XXXX		FY XXXX		FY XXXX		FY 1999		Attrition Res	
Pipeline:	F	Y XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:	F	Y XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	

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FY 98 / 99 BUDGET PROD	OUC	CTION SC	HED	ULE			P-1 II	tem No	omeno	ciature	: TAC	CTICA	L AIR	OPS N	MODU	ILE (T.	AOM)	(P440	003)				Date	:			Septe	mber	1997		
				PROC	ACCEP.	BAL					Fis	cal	Year	96									Fis	scal	Yea	r 97					L
	М		S	QTY	PRIOR	DUE								Cale	ndar	Yea	ar 96							С	alen	dar	Year	97			Α
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FY 98 / 99 BUDGET PROD	ouc	CTION SC	HED	ULE			P-1 II	em No	mend	ciature		CTICA	L AIR	OPS	MODL	JLE (T	AOM)	) (P44	003)				Date	1:			Septe	mber	1997		
				PROC	ACCEP.	BAL					Fis	cal	Year										Fi		Yea						L
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COST ELEMENTS	F R	FY	E R	Each	TO 1 OCT	AS OF 1 OCT	O C	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	O C	N O	Е	J A	F E	M A	Р	M A	J	J	A U	S E	T E
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	Exhibit	P-40, Budget I	tem Justific	cation Shee	t	,	Date:		September 1997		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomenclat	ture:					
Procurement, Mar	rine Corps (1109) / Communications and	d Electronic Equipment (	4) / 044					CTAPS (A44033)			,
Program Elements for Code B I	lems:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty					5						5
Gross Cost			0.3		1.5	0.3	1.0	0.3	1.0		4.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			0.3		1.5	0.3	1.0	0.3	1.0		4.4
Initial Spares			0.1	0.1							0.2
Total Proc Cost			0.4		1.5	0.3	1.0	0.3	1.0		4.6
Flyaway U/C											
Wpn Sys Proc U/C					0.300						

CTAPS is a system which provides the Commander the automated tools necessary to generate, dissemenate and execute the Air Tasking Order (ATO), as mandated by the Chairman, Joint Chiefs of Staff in July 1993. It is an evolutionary acquisition, allowing for the rapid development/fielding of hardware and software to meet todays rapidly advancing technology. It is fielded to all four Marine Tactical Air Command Squadrons (MTACS) and the supporting establishment with MCTS

SA and MCCES sharing a full system.

Note: CTAPS FY 96 & Prior Funded in BLI 459700.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Budget Ac Procurement, Marine Electron	munications and	P-1 Line Ite	em Nomenclature: CTAPS	(A44033)		Weapon System	Type:	Date: Sept	ember 1997
Weapon System	ID			FY 97			FY 98			FY 99	
Cost Elements	CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
CTAPS Hardware (Sun Sparc)									1000	5	200000
Intergrated Logistics Support									200		
Program Management Support									300		
Contractor Support			340								
TOTAL Active Component Reserve Component			340						<b>1500</b> 1300 200		

								Date:		
Exhibit	P-5a, Budget Procurement	History a	and Planning					S	September	1997
Appropriation / Budget Activity/Serial No:		Weapon Syst	tem Type:		P-1 Line Item	Nomenclatur	e:			
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 044							CTAPS (A4403	3)		
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs	Date	RFP Issue
	Contractor and Ecoation	Method	Eddalon of 1 do	/ Ward Bate				Avail	Revsn	Date
Fiscal Years	TDD	and Type	MAROOROVOOOM	Jan 00	Delivery	Each	\$	Now?	Avail	NIA
CTAPS Hardware	TBD	TBD	MARCORSYSCOM	Jan-99	Jan-00	5	200000	NA	NA	NA
REMARKS:										

	Exhibi	t P-40, Budget	Item Justific	cation Sheet			Date:		Septen	nber 1997	
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomenclat	ure:					
Procurement, Ma	arine Corps (1109)/Communications a	nd Electronic Equipment (4	4) / 044				ADVANCED TACTI	CAL AIR COMMAND	CENTRAL (ATACC	<b>(</b> )	
Program Elements for Code B It	ems:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			5								_
Gross Cost			2.4								2.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			2.4								2.4
Initial Spares											
Total Proc Cost			2.4								2.4
Flyaway U/C											
Wpn Sys Proc U/C			0.480								

Advanced Tactical Air Command Central (ATACC) provides automated data exchange and processing of tactical information; automated generation of Air Tasking Orders (ATOs) by integrating Contingency Theater Automated Planning System (CTAPS) and computer assistance in maintaining status information. Planners and operators have access to information from a shared database which is automatically updated by messages received from TADIL-A, TADIL-B, NATO Link-1, TADIL-J, and JICS/MTF.

ATACC maximizes use of non-developmental hardware and software items. ATACC hardware is 95 percent NDI or modified NDI. Software is 65 percent NDI. Developed software is written in Ada as directed by DOD. The MS III decision in March 1994, redefined the program to a three phase evolutionary acquisition. Phase I provides the initial capability and uses the existing prototype four shelter per MEF system reconfigured and upgraded to a one shelter per MEF system, plus software fixes required by the operational test, purchase of CTAPS, and a replacement for the current bubble shelter. Two additional non-deployable systems are required for training and software integration. The ATACC replaces the 1960s technology of the AN/TYP-1 AND AN/TYQ-3A.

Note: ATACC FY 96 & Prior Funded in BLI 459700.

Exhibit P-5, Weapon		Appropriation/ B	udget Activit	y/Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis					ns and Electronic Eq	uipment /		ATACC					ember 1997
Weapon System	ID					FY 97			FY 98			FY 99	
Cost Elements	CD				TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
					\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Advanced Tactical Air Command Central (ATACC)					2429	5	\$ 485800	\$000	Each	*	\$000	Each	\$
TOTAL					2429								

ExI	hibit P-5a, Budget Procuremen	t History a	and Planning					Date:	September	1997
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and El		Weapon Sys			P-1 Line Item	Nomenclatur			ертеппрет	1991
Equipment (4) / 044		Contract	1				ATACC	Specs	Date	RFP Issu
WBS Cost Elements: Fiscal Years	Contractor and Location	Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost \$	Avail Now?	Revsn Avail	Date
Advanced Tactical Air Command Control (ATACC)										
FY 97	MarCorSysCom, Quantico, VA	FFP	MARCORSYSCOM Quantico, VA	Aug-97	Mar-98	5	485800	YES	NO	N/A
REMARKS:										

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